



09/966,497 102902

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner TEL. #: 732-524-2242
DOCKET #: MCP-0294 CUST. #: 000027777

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FIG. 1A

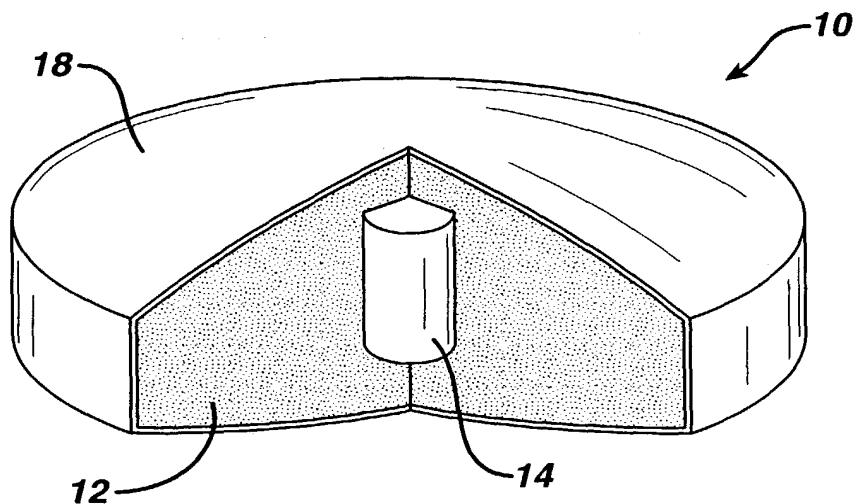
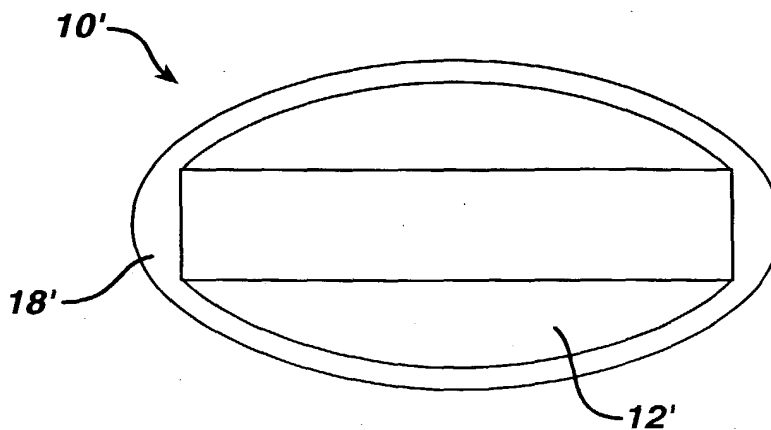


FIG. 1B





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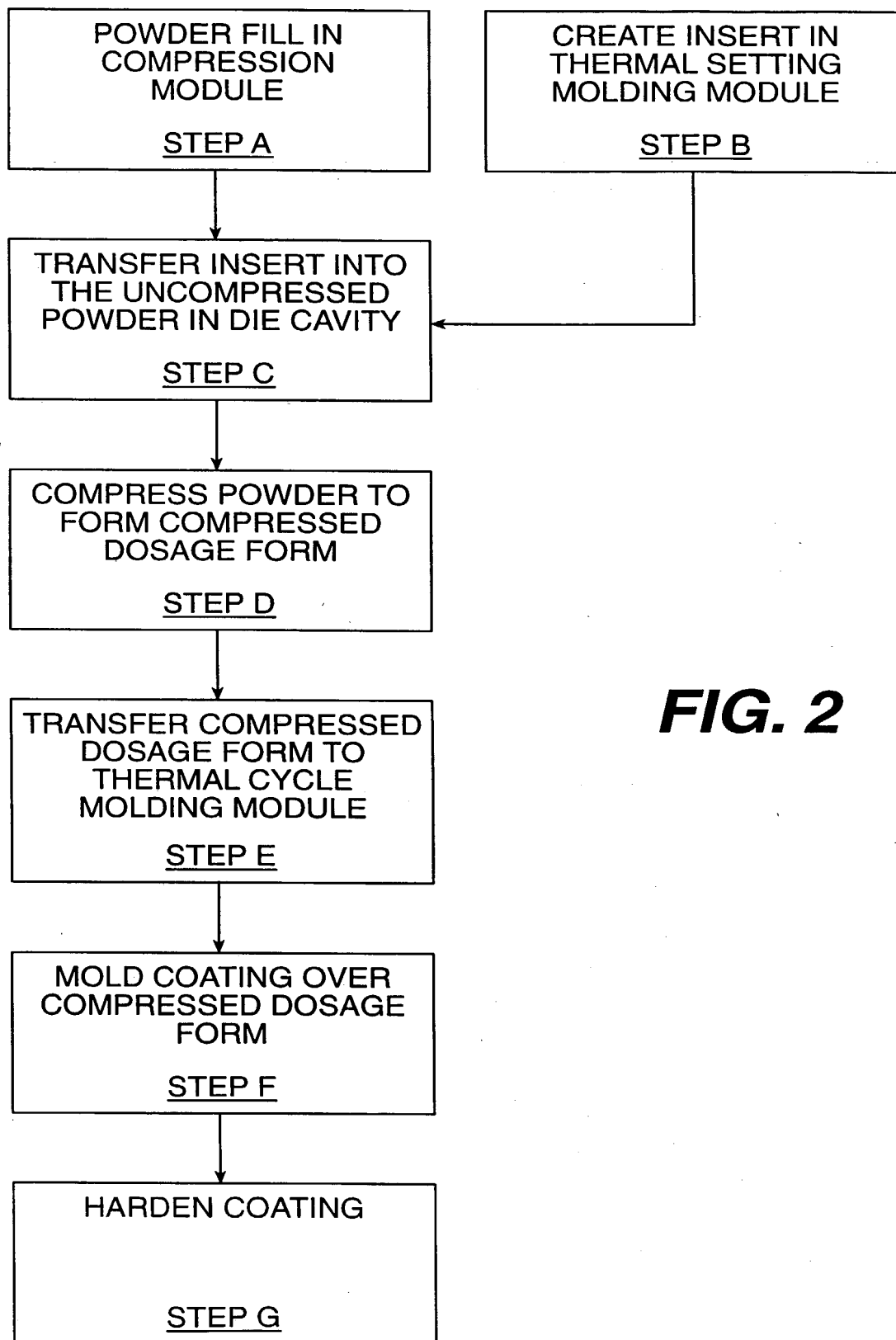
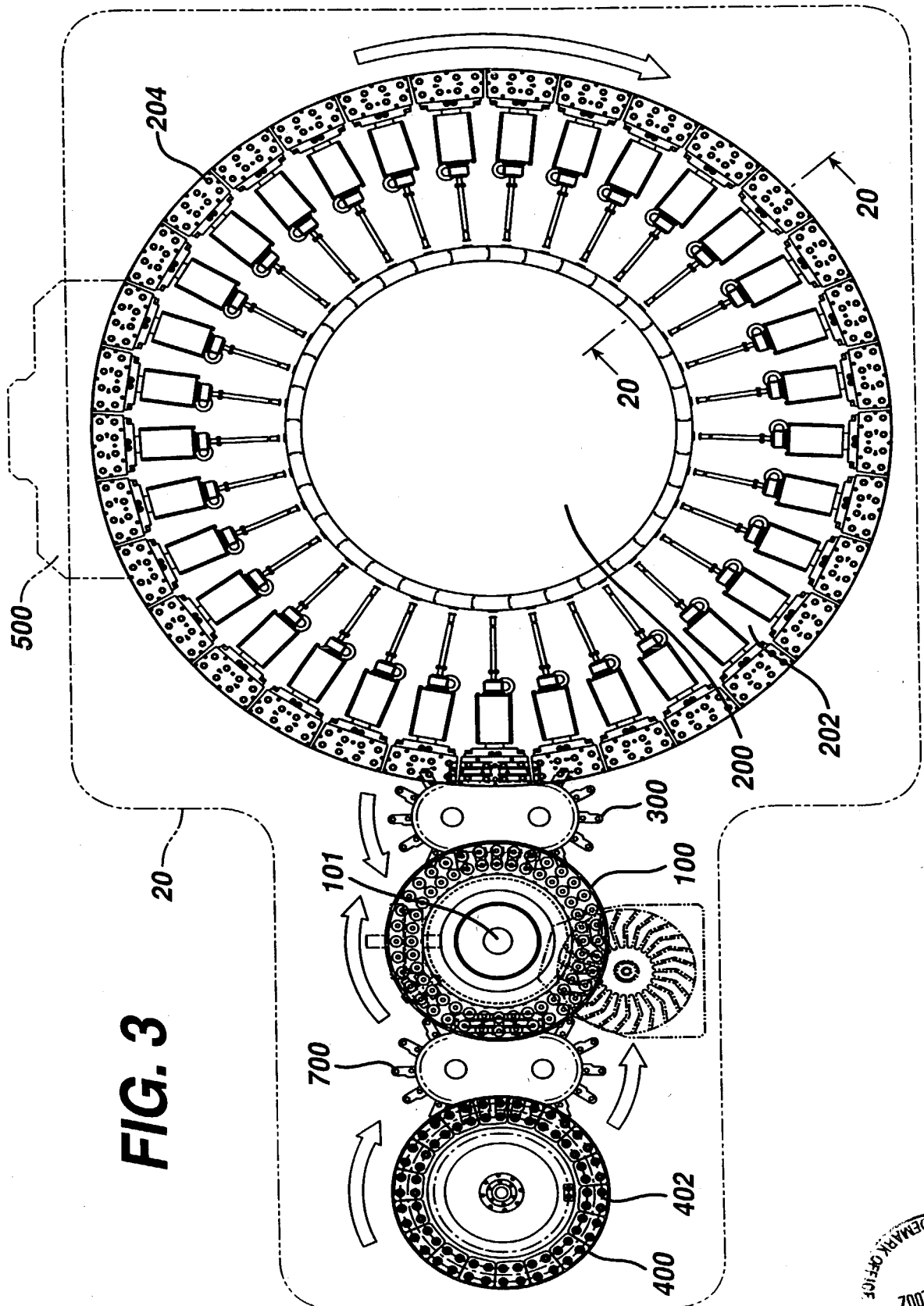


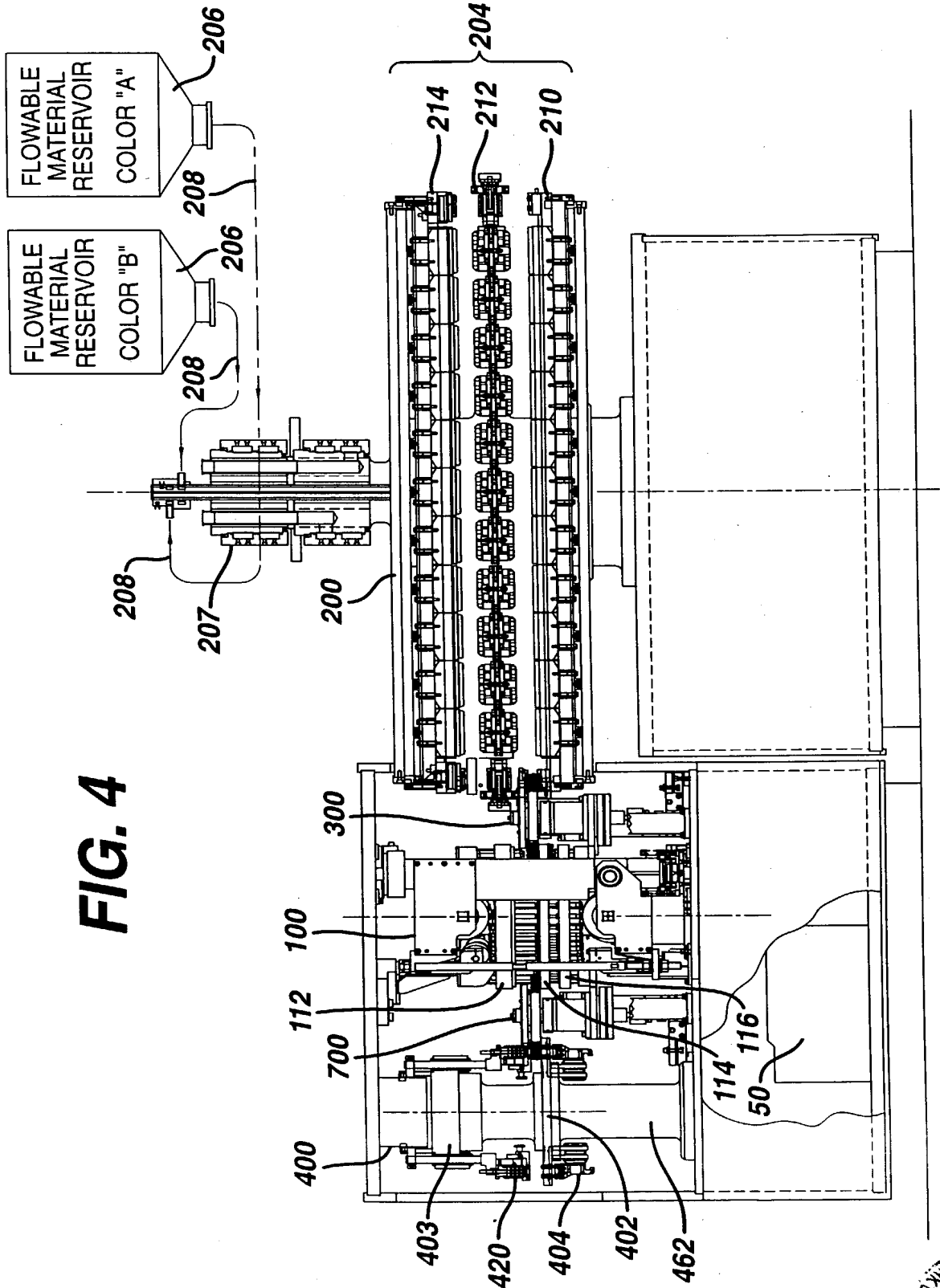
FIG. 2

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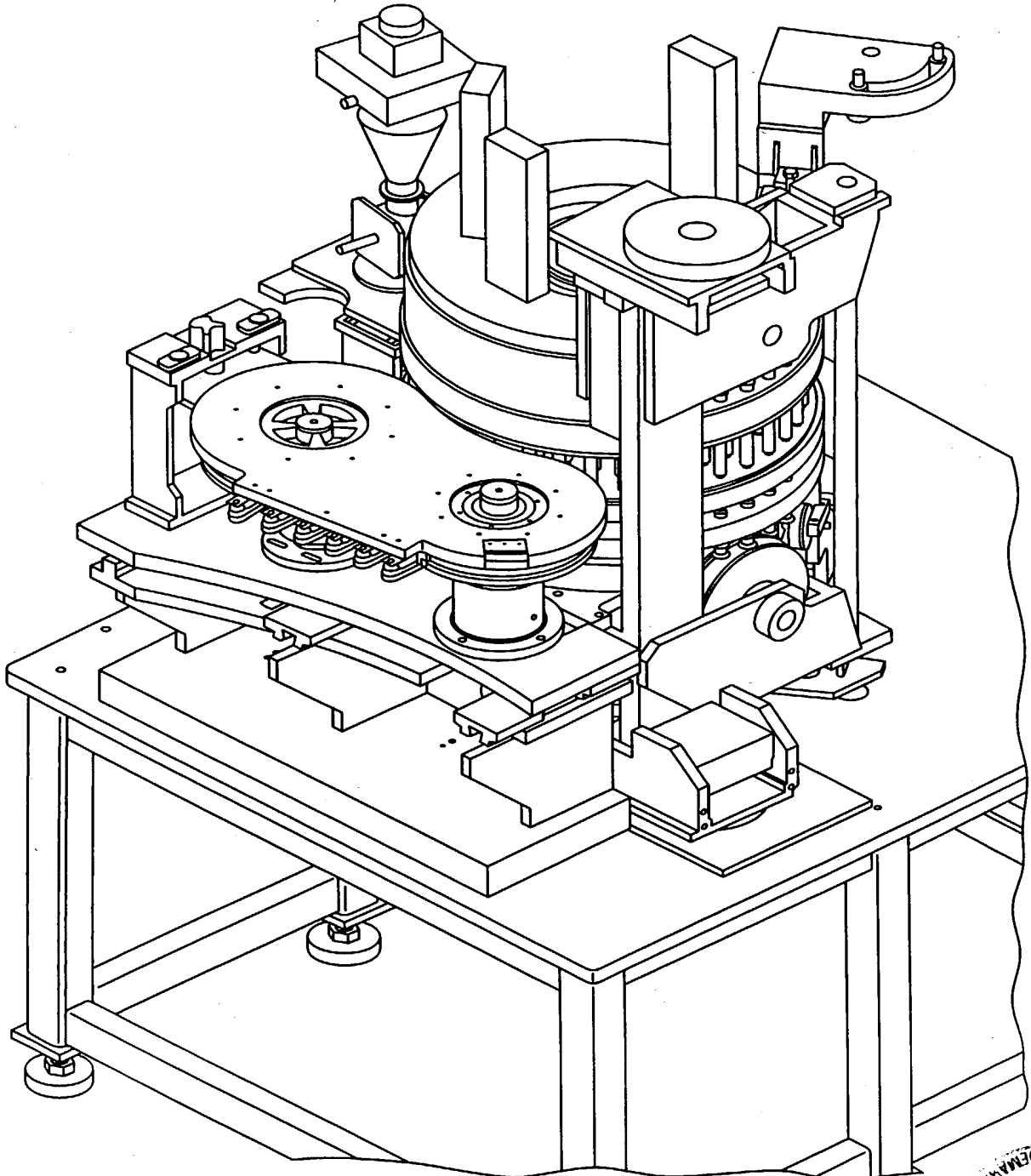
FIG. 4



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FIG. 5



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FIG. 1 is a schematic diagram of a circular device, likely a medical instrument or sensor array. The device is shown in cross-section, revealing internal components. Key features include:

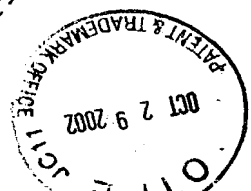
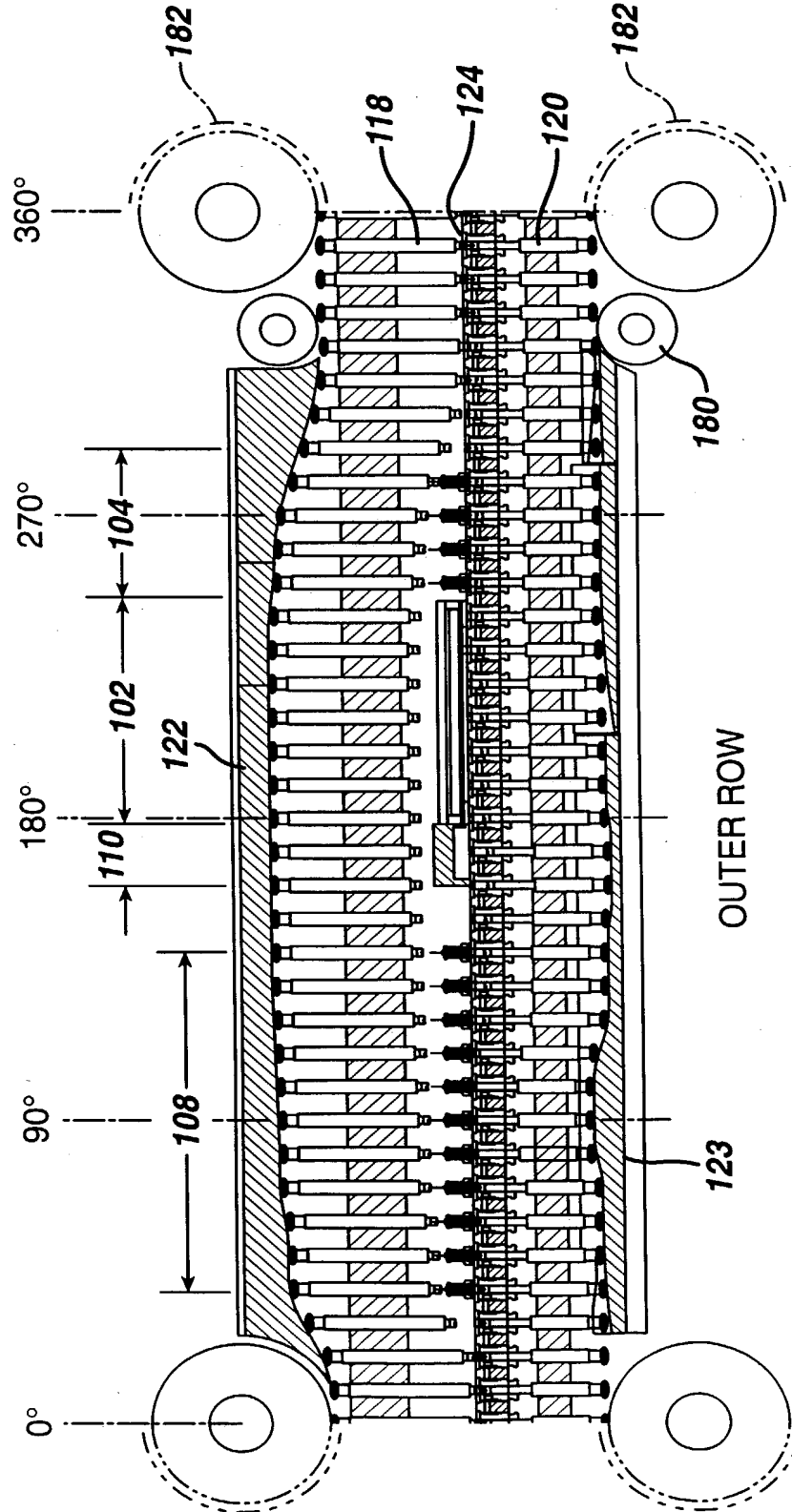
- Angular Positions:** The device is divided into sectors by dashed lines at 0°, 90°, 180°, and 270°.
- Internal Components:**
 - 106:** The outermost ring or housing.
 - 104:** A central circular component, possibly a motor or actuator.
 - 102:** A large, curved, segmented component, likely a flexible sensor array or electrode array.
 - 110:** A smaller, curved, segmented component, possibly another type of sensor array or electrode array.
 - 114:** A series of small, circular elements arranged in a ring, possibly sensors or actuators.
 - 126:** A series of small, rectangular elements arranged in a ring, possibly sensors or actuators.
 - 130:** A central hub or support structure.
 - 132:** A central shaft or rod passing through the center.
 - 134:** A central bearing or pivot point.
 - 136:** A central seal or gasket.
 - 138:** A central connector or plug.
- Labels and Arrows:**
 - AIR PRESSURE:** Indicated by arrows pointing towards the inner components.
 - VACUUM:** Indicated by arrows pointing away from the inner components.
 - 15:** An arrow indicating a specific direction or force.
 - 169:** A label near the bottom right corner.



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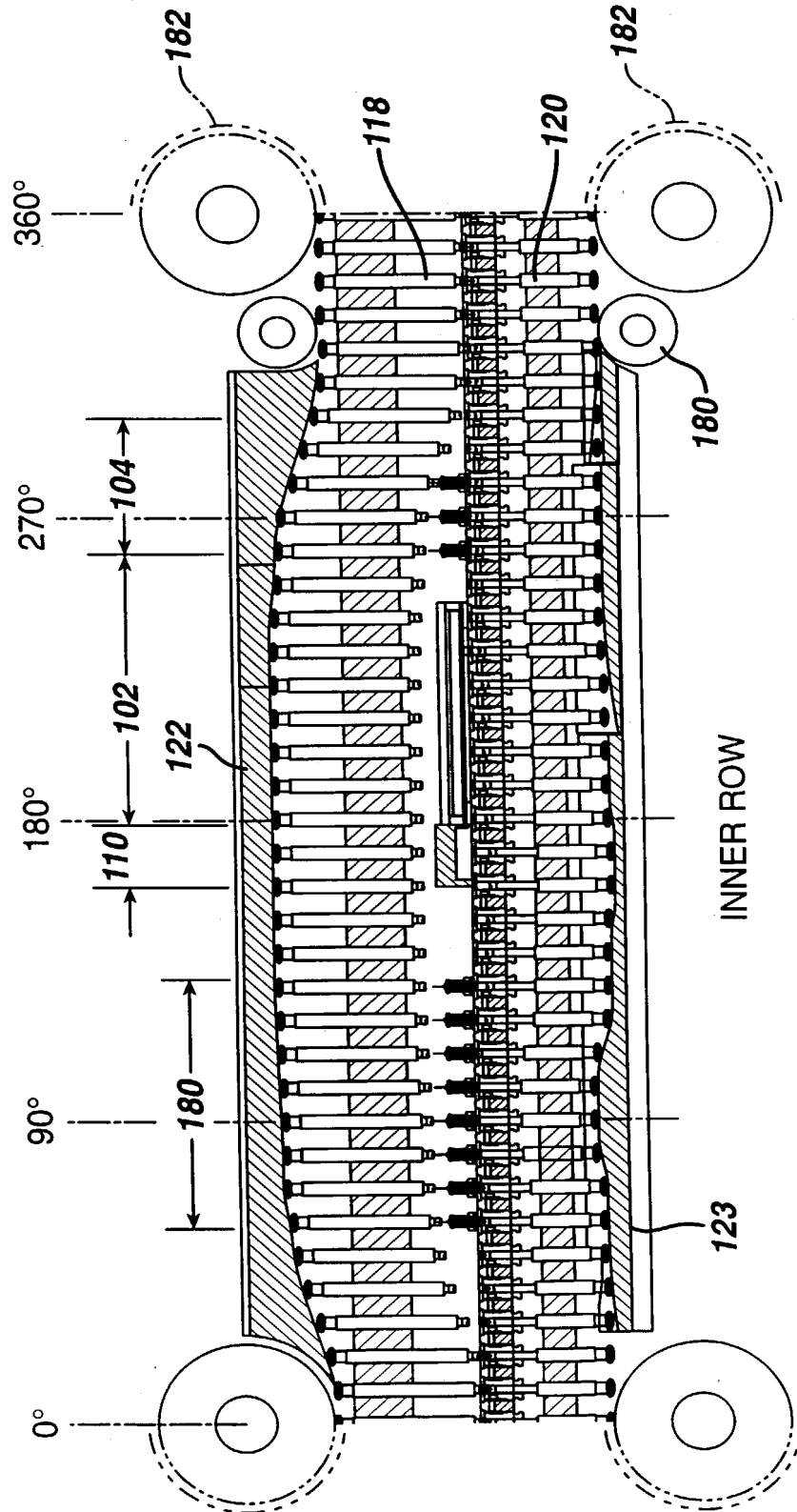
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FIG. 7



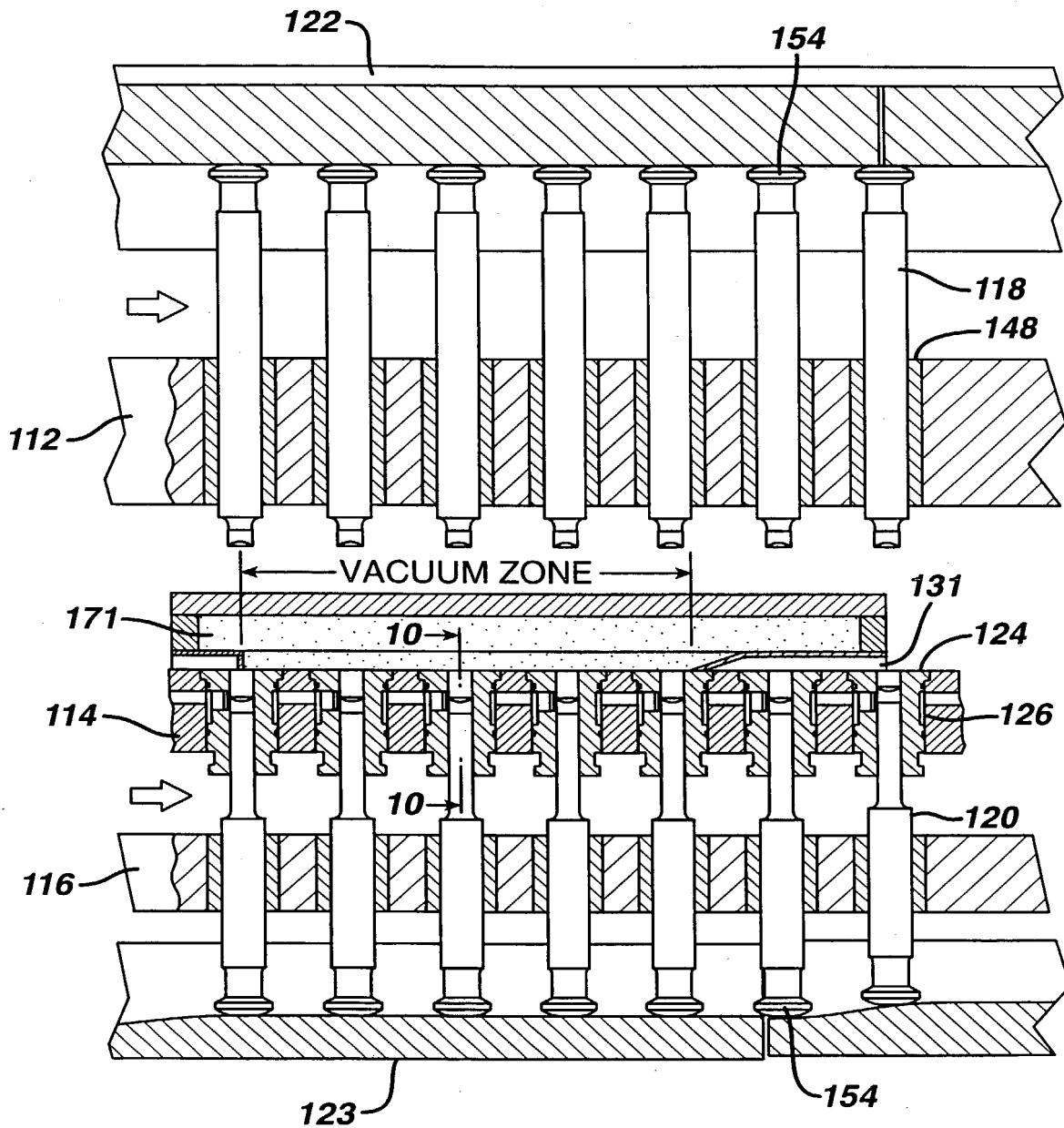
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FIG. 8



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FIG. 9





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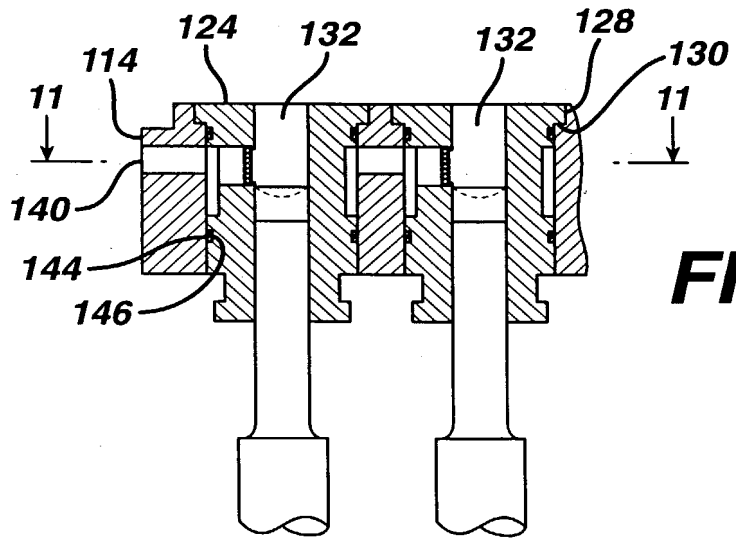


FIG. 10

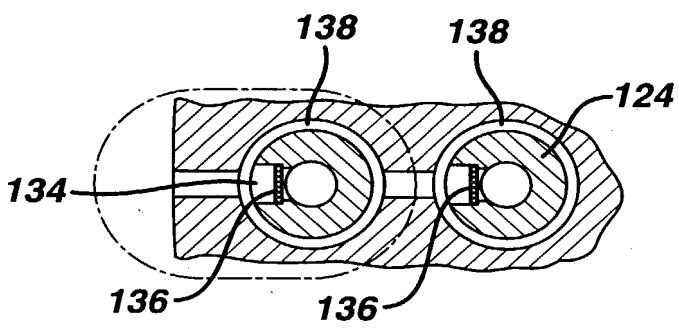


FIG. 11

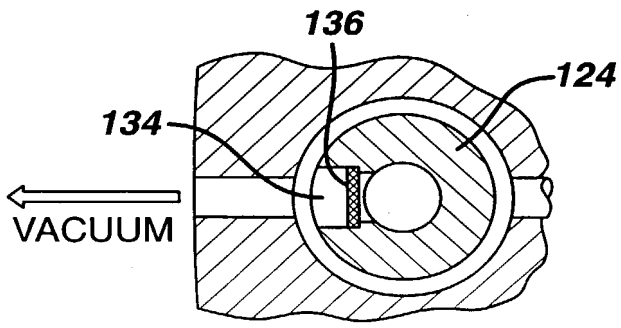


FIG. 12

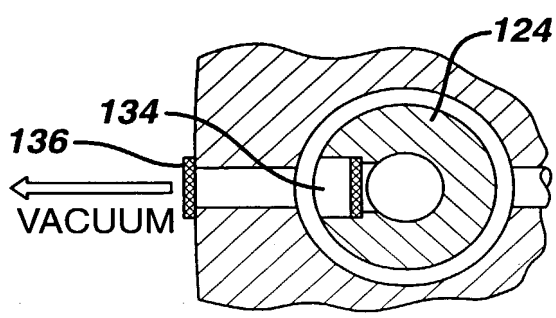


FIG. 12A

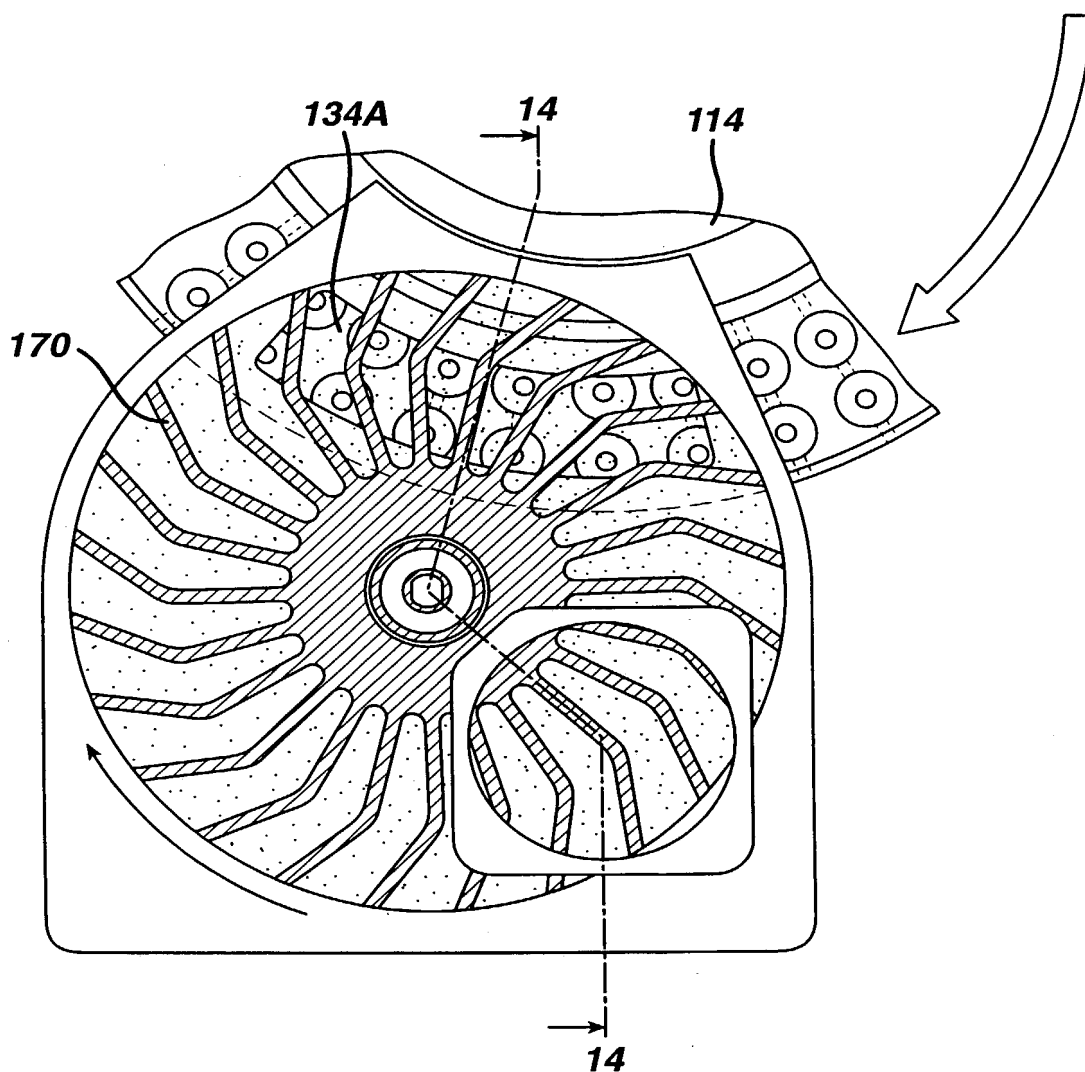


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FIG. 13



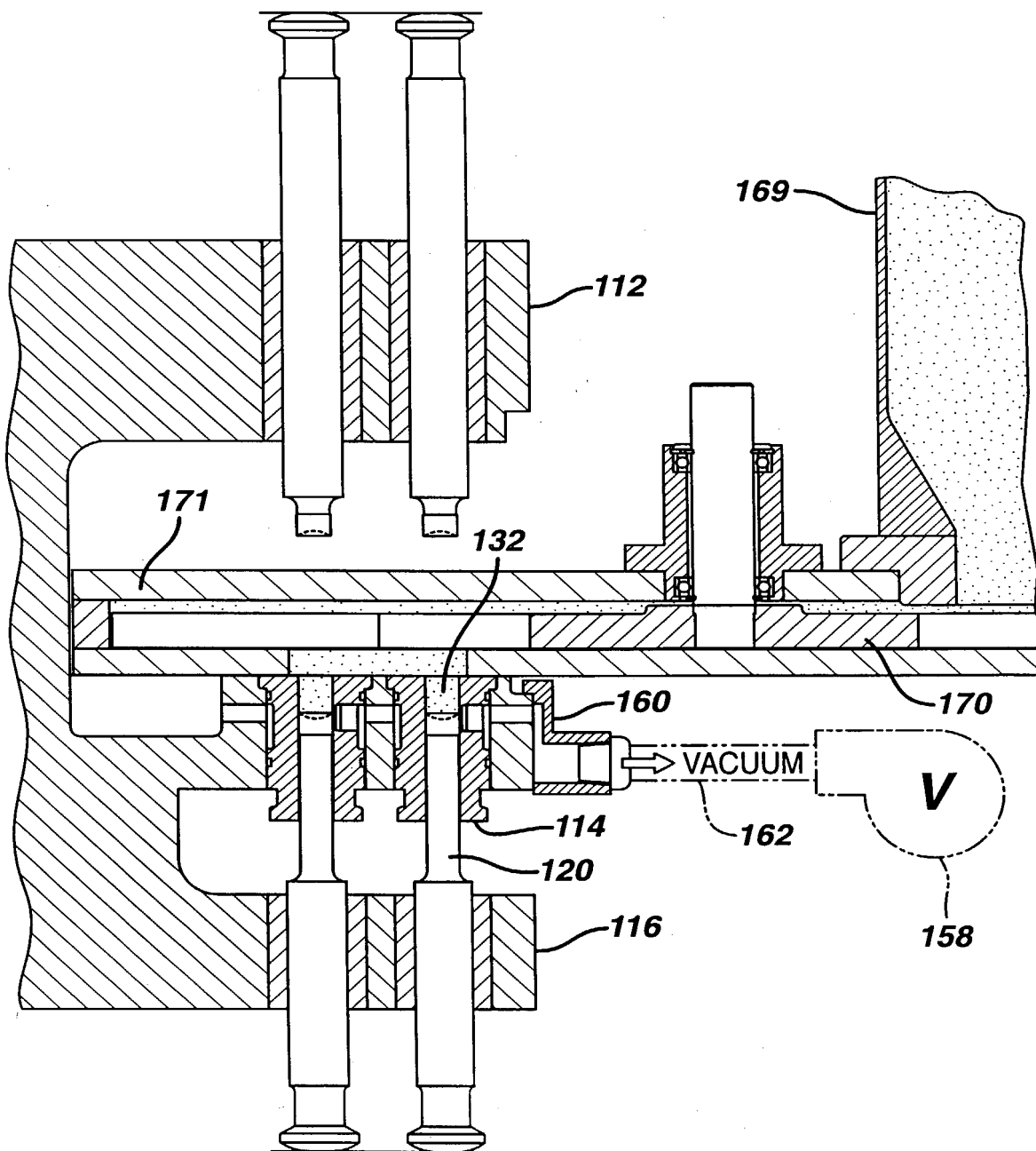


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FIG. 14





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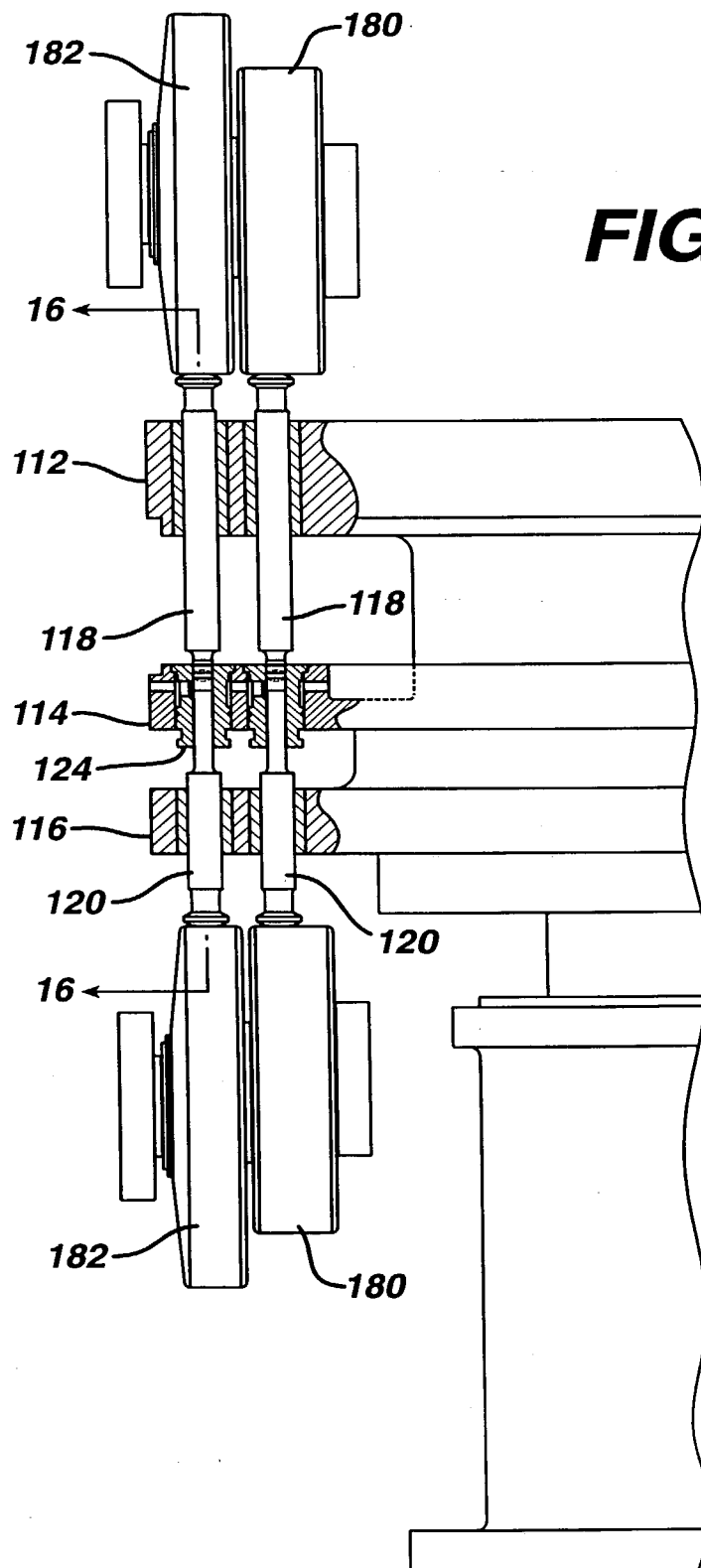
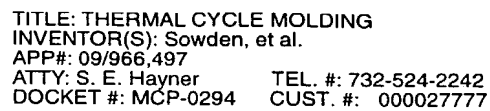
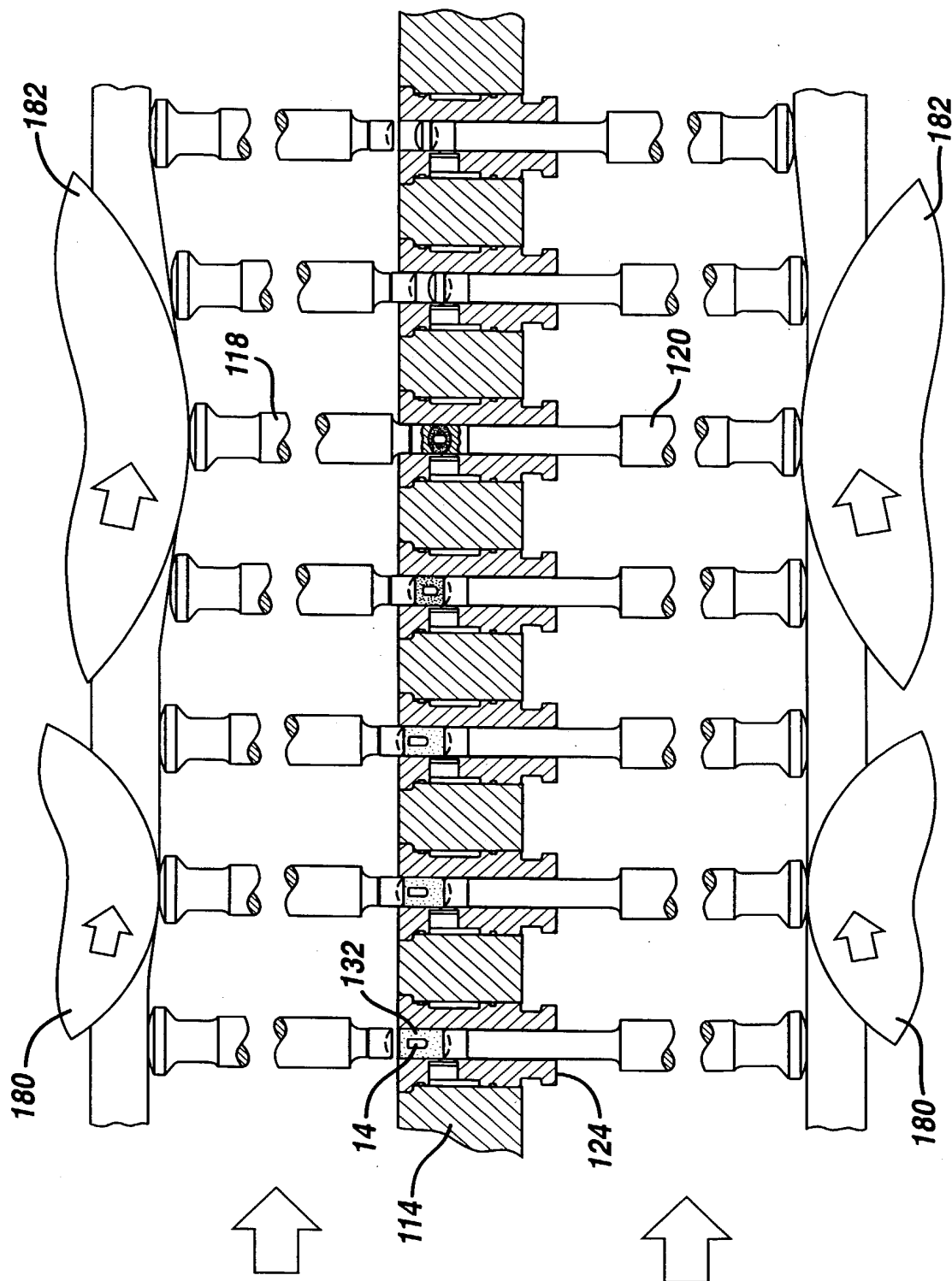


FIG. 15



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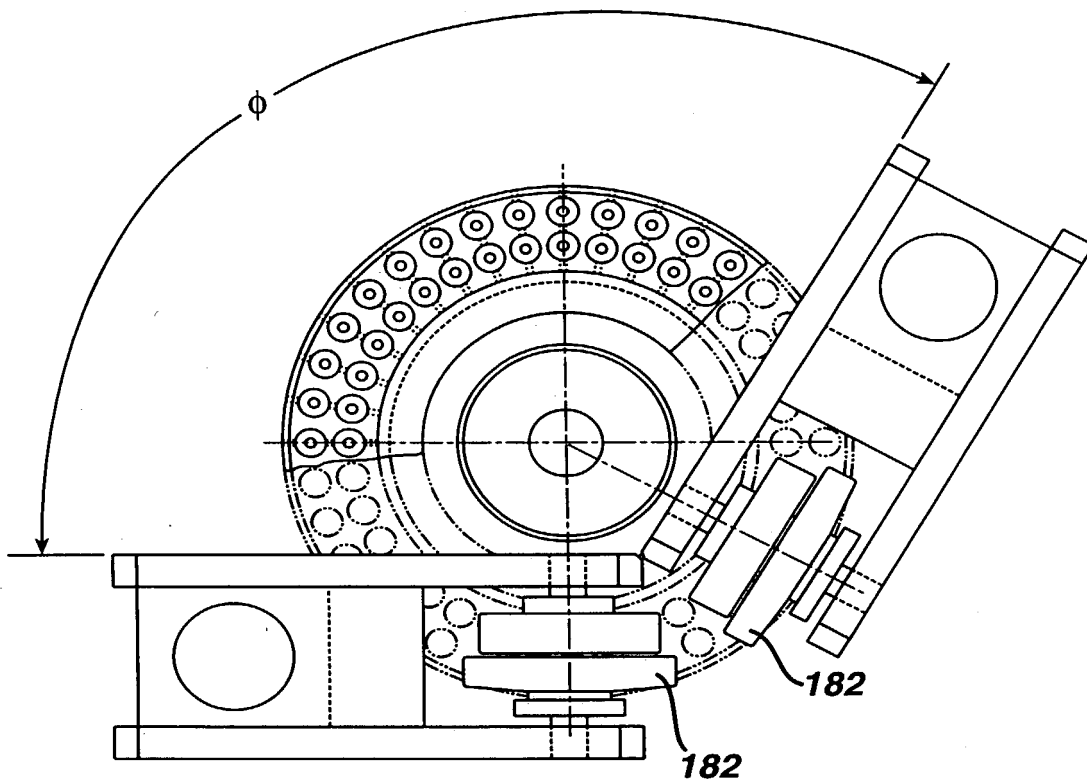


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FIG. 17A





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FIG. 17C

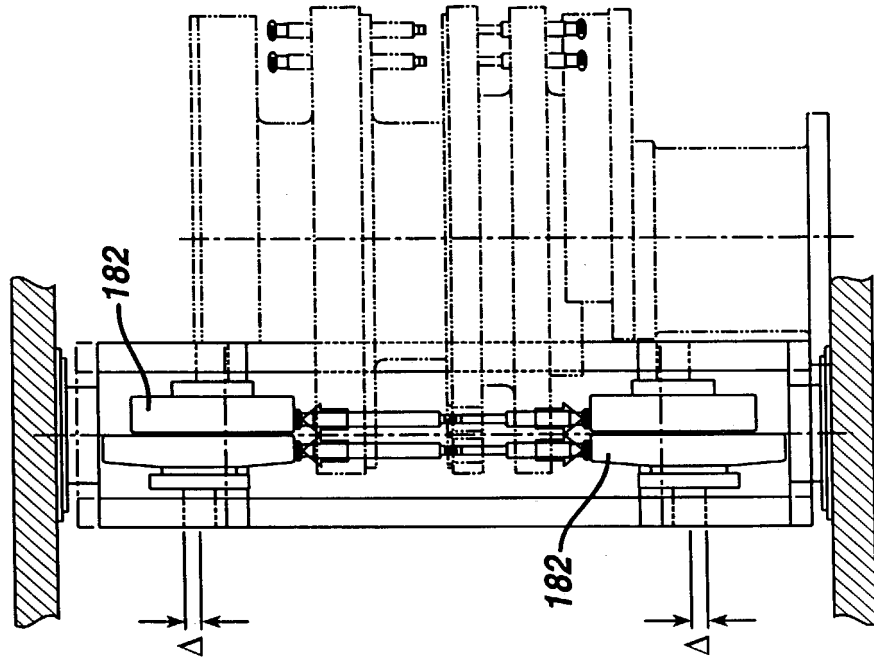
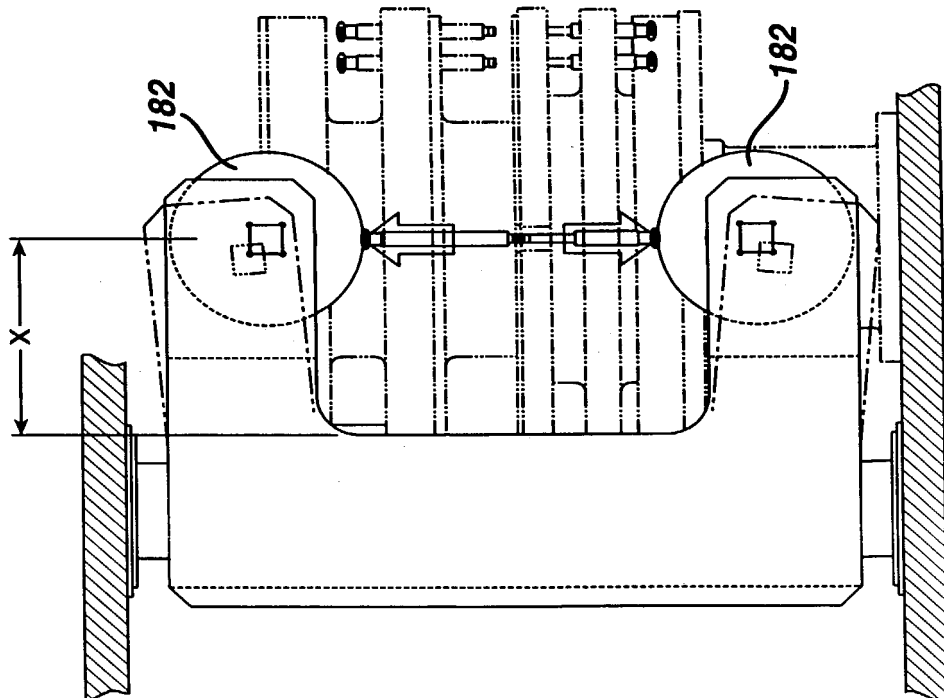


FIG. 17B



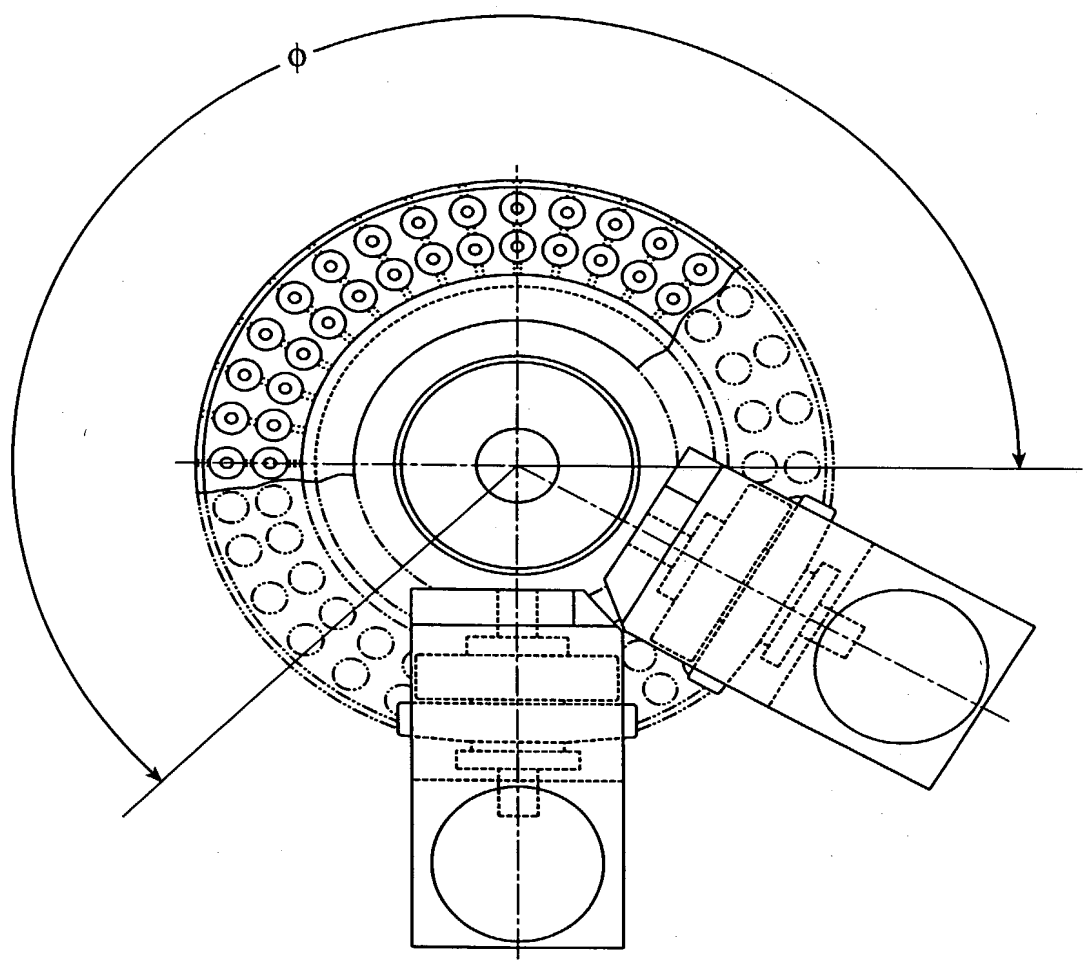


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FIG. 18A





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FIG. 18C

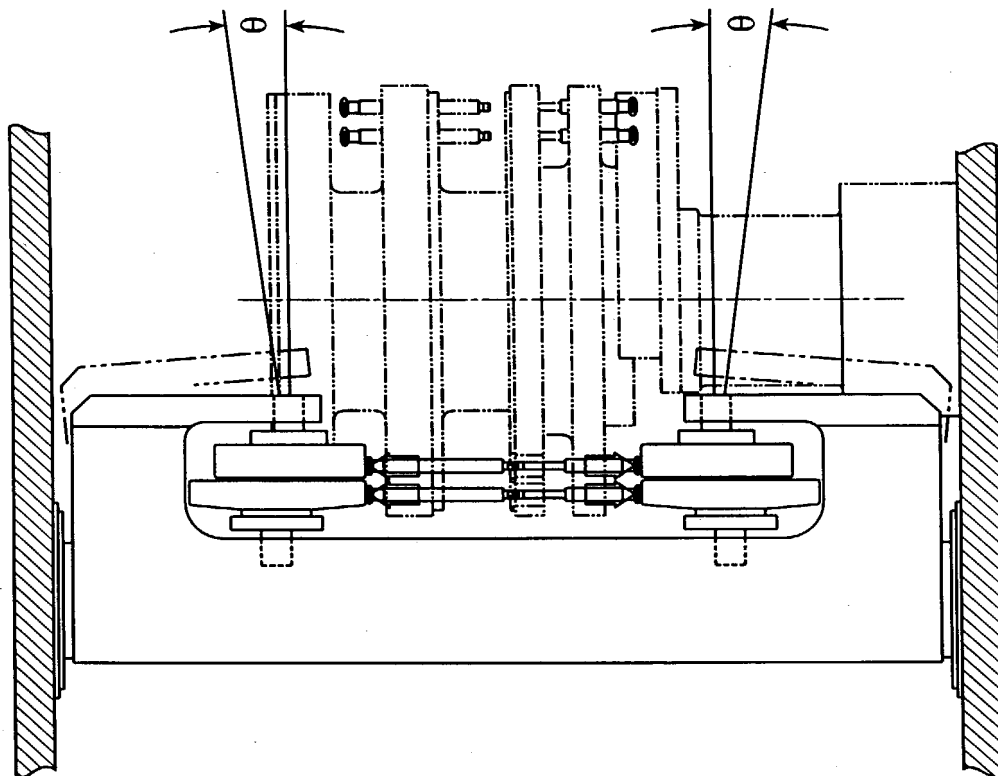
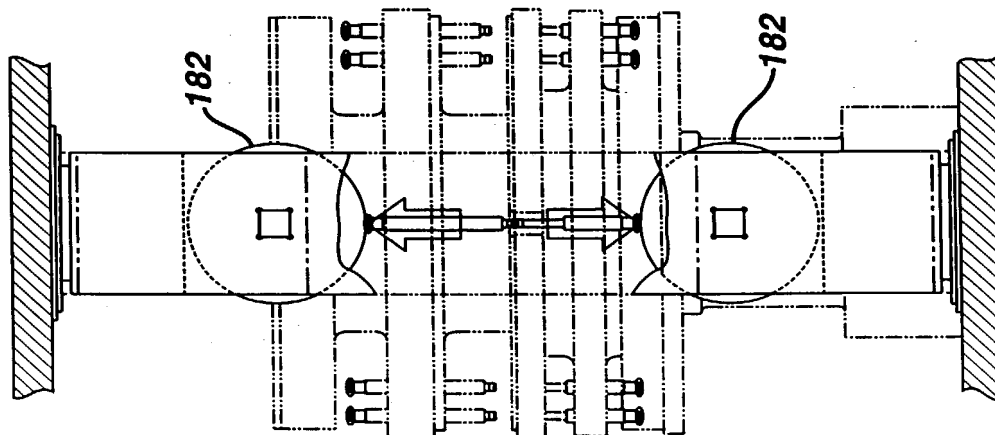


FIG. 18B



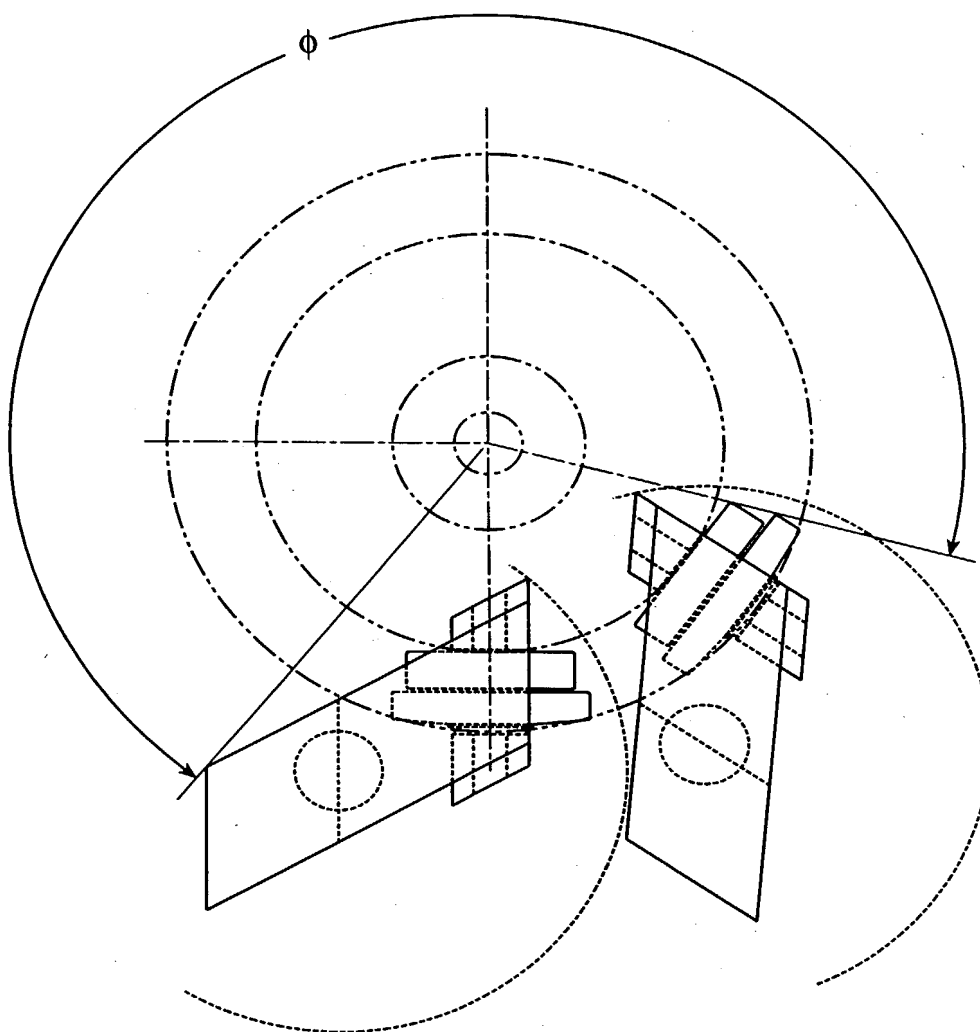


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FIG. 19A





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FIG. 19C

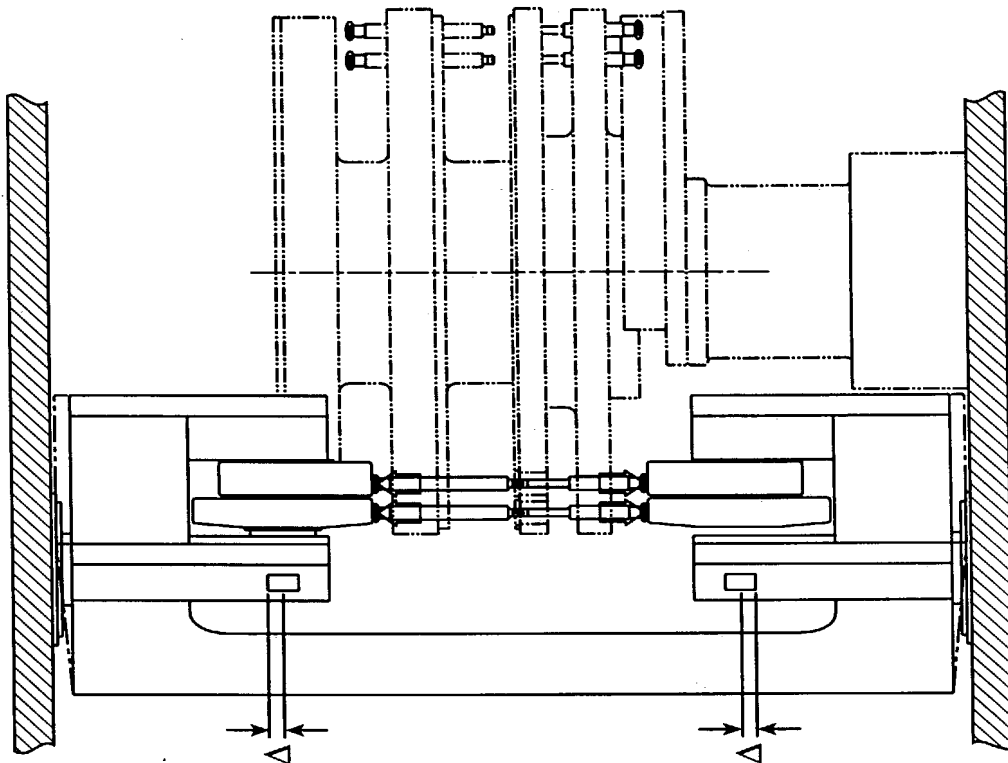
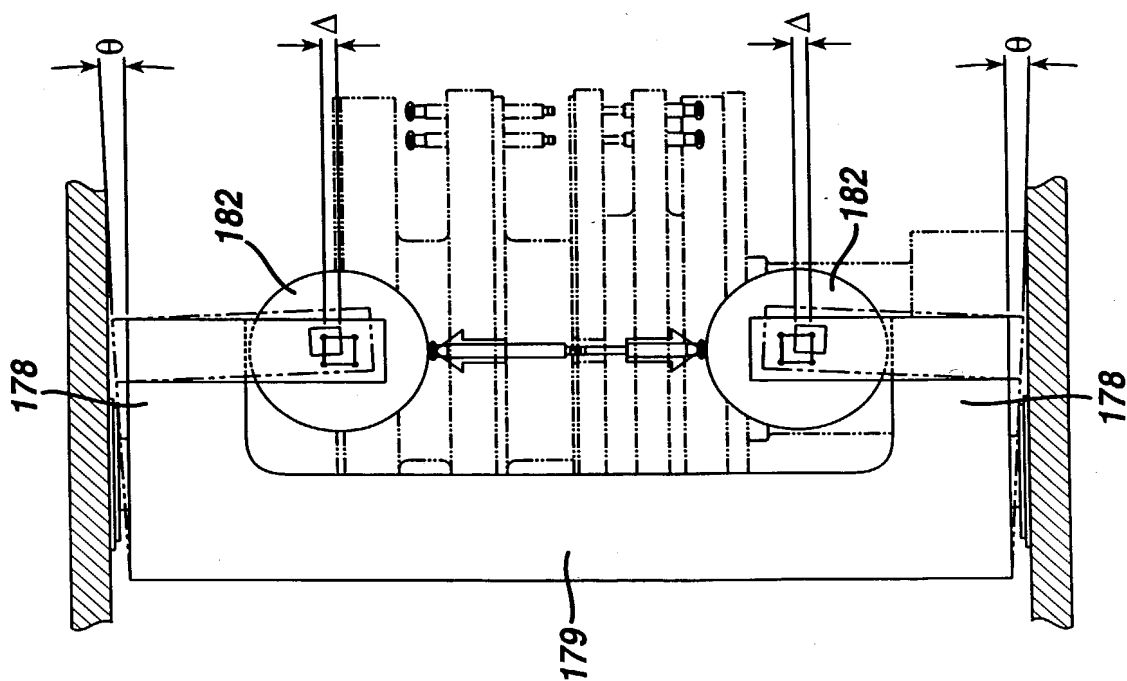


FIG. 19B

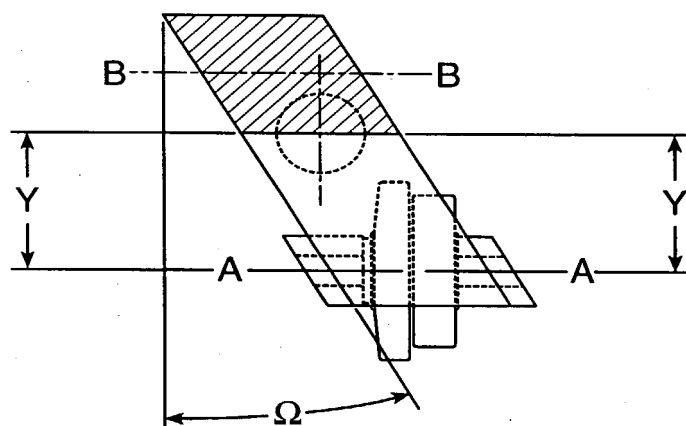




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FIG. 19D





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FIG. 20

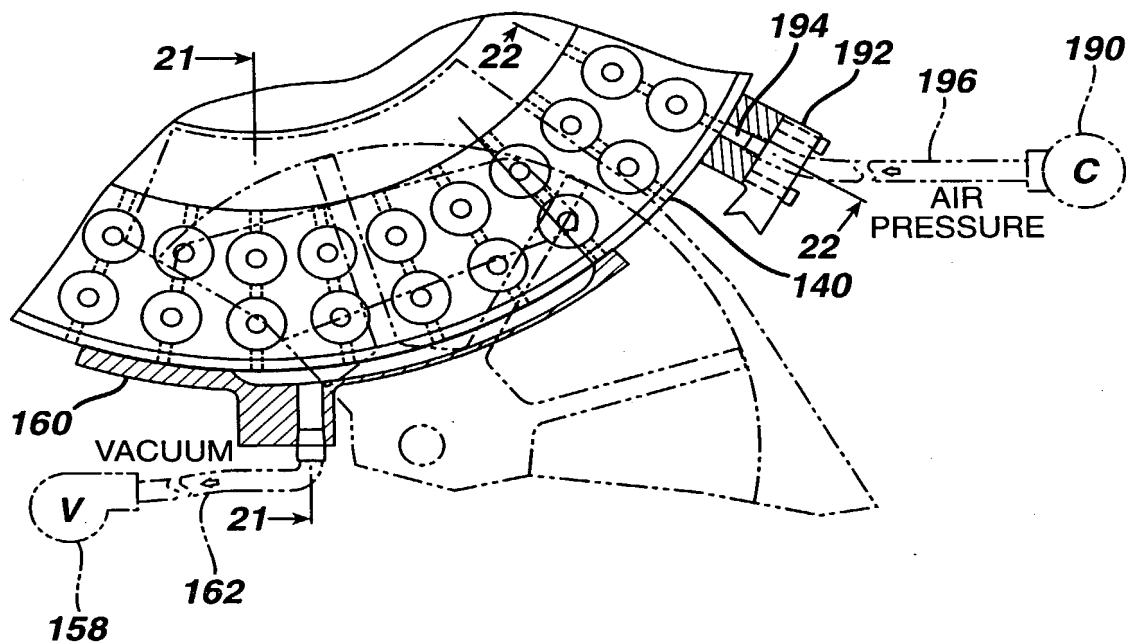


FIG. 21

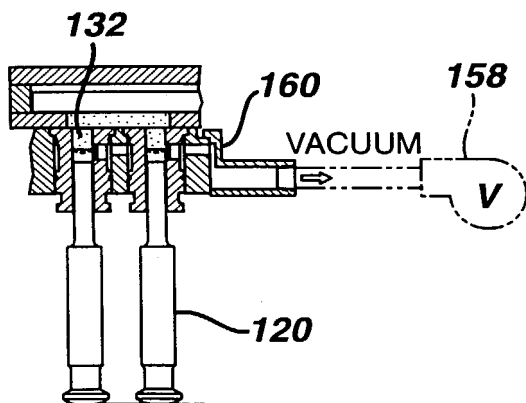
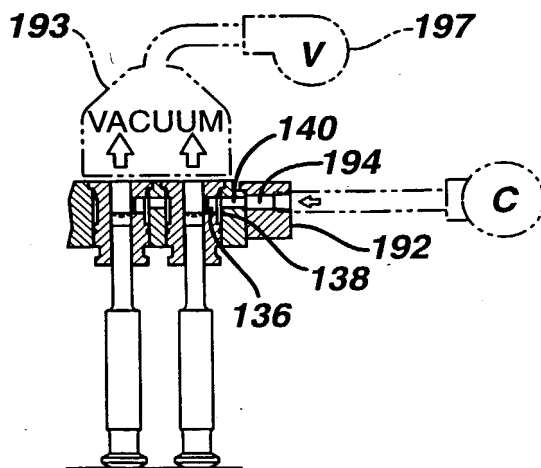


FIG. 22

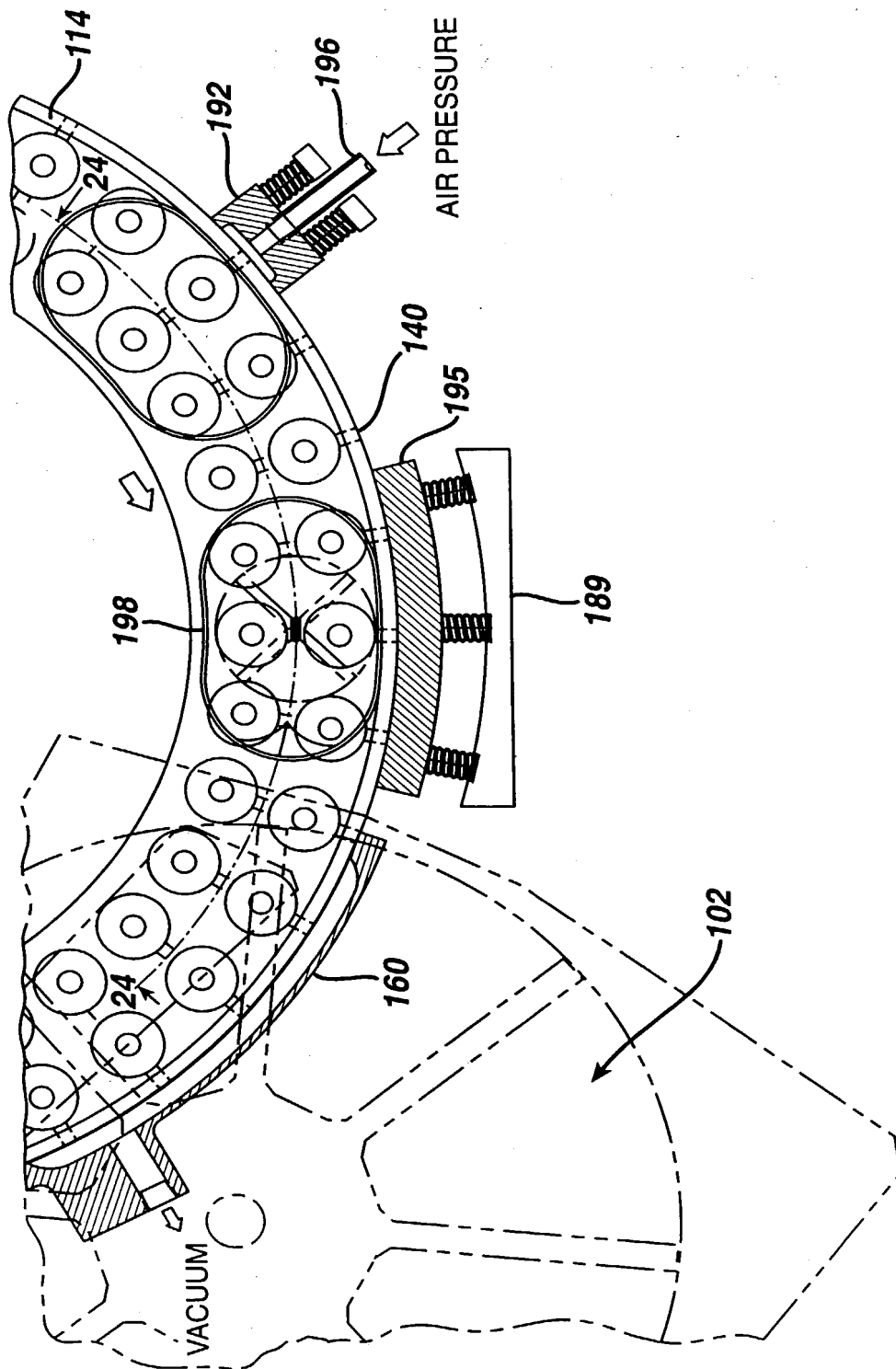


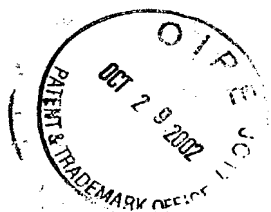


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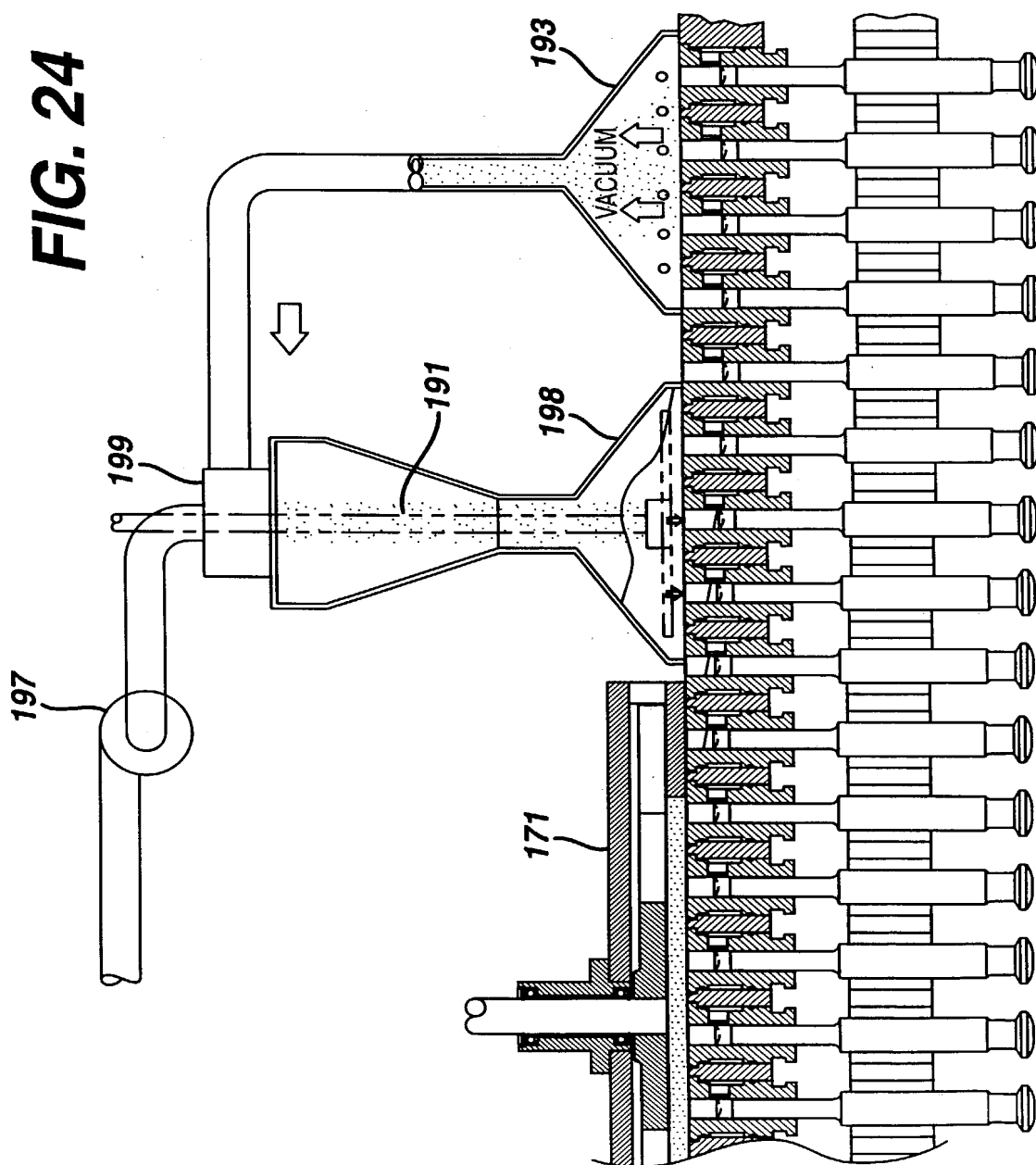
FIG. 23





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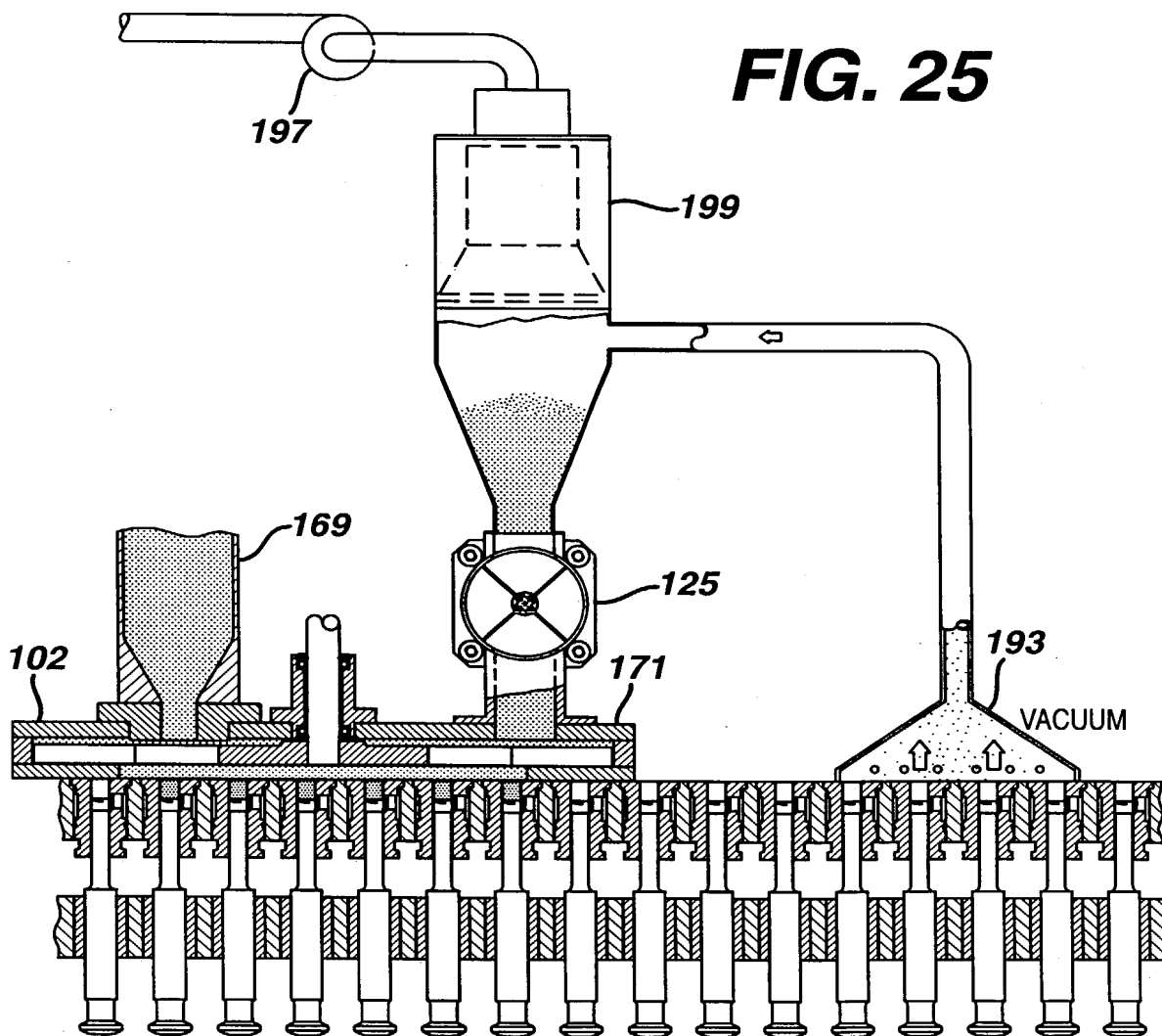




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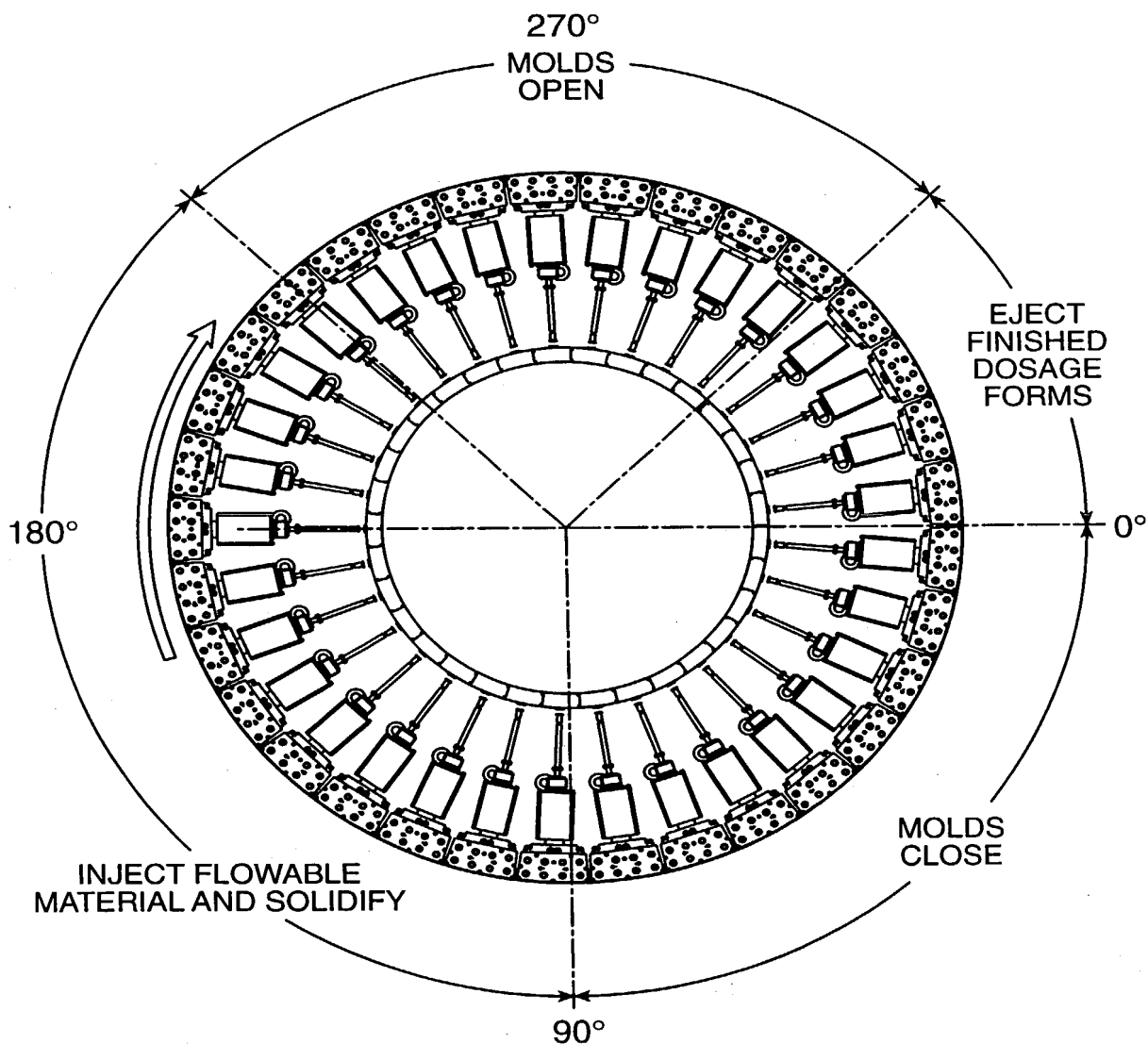


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FIG. 26A



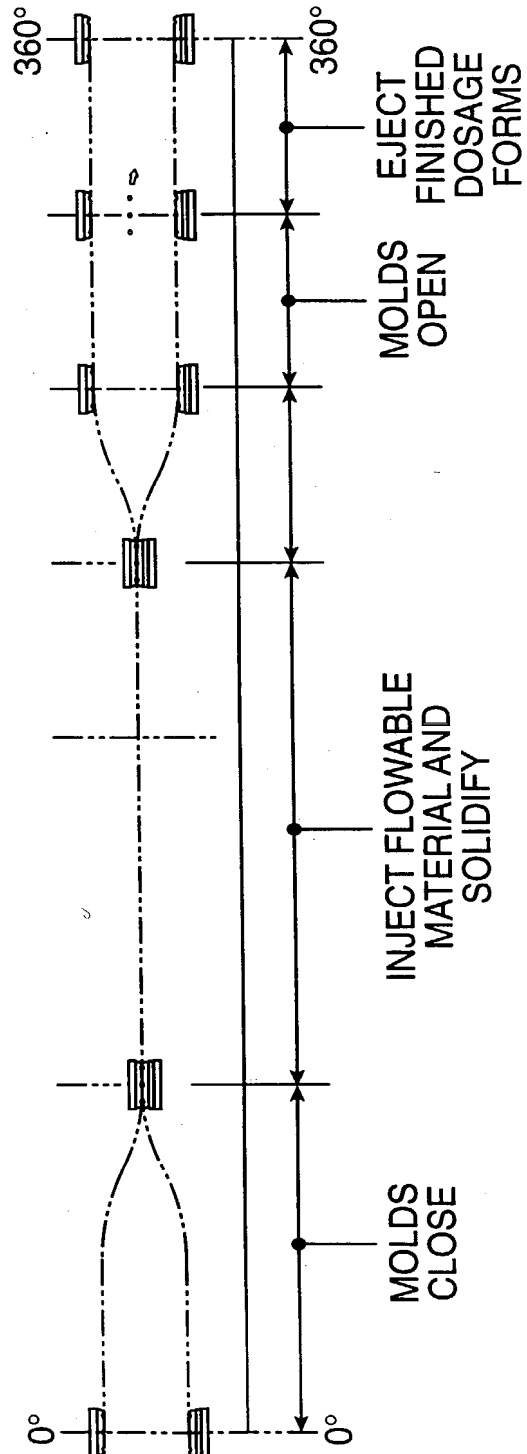


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FIG. 26B

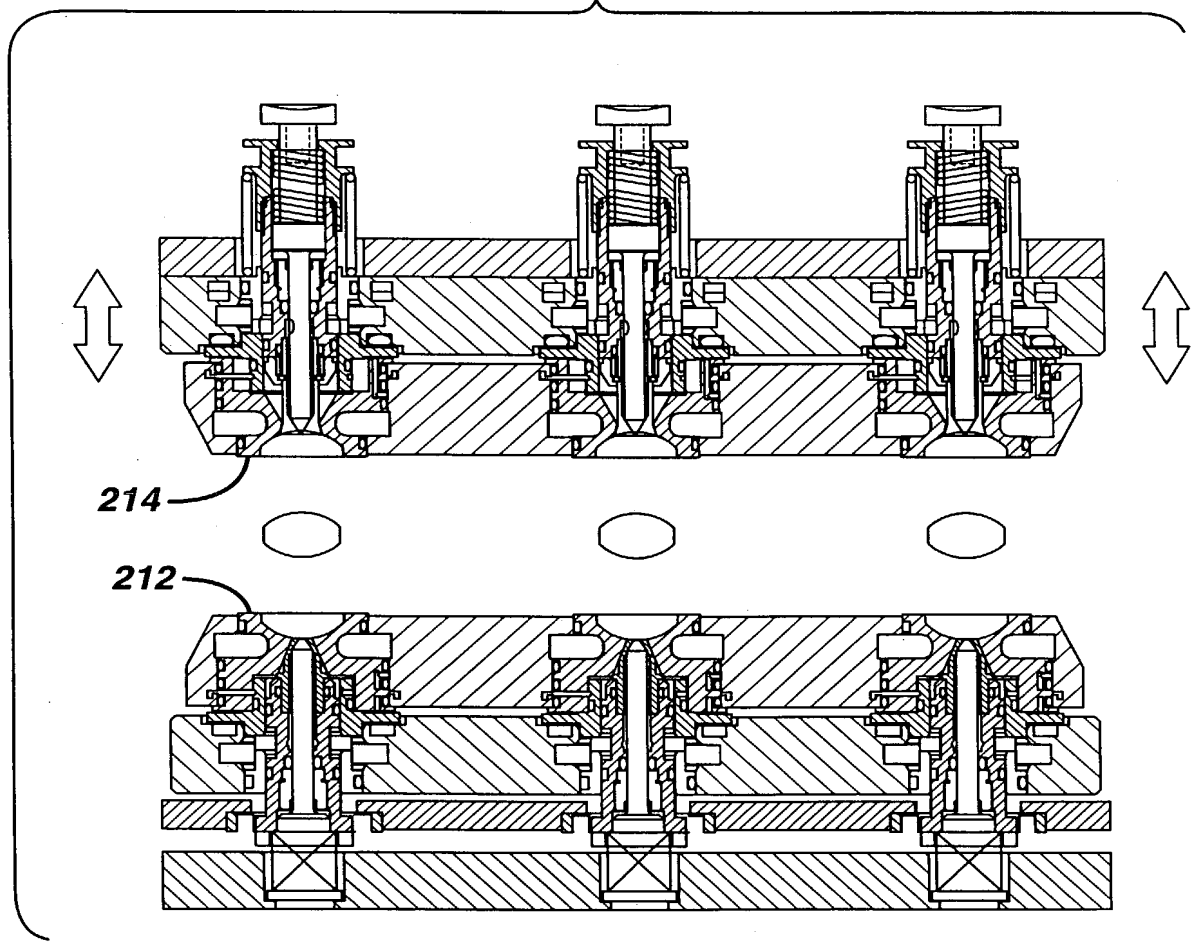




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FIG. 26C



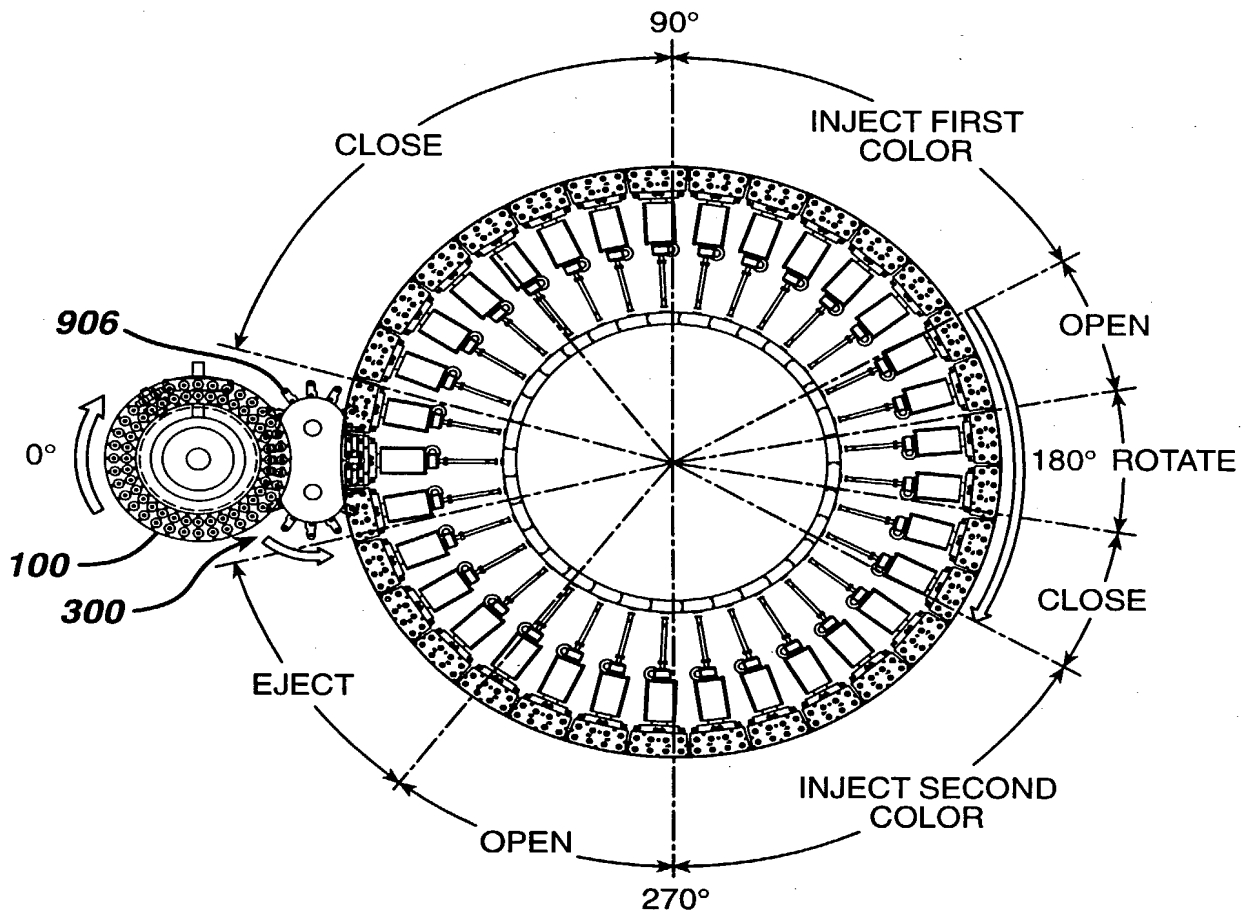


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FIG. 27A

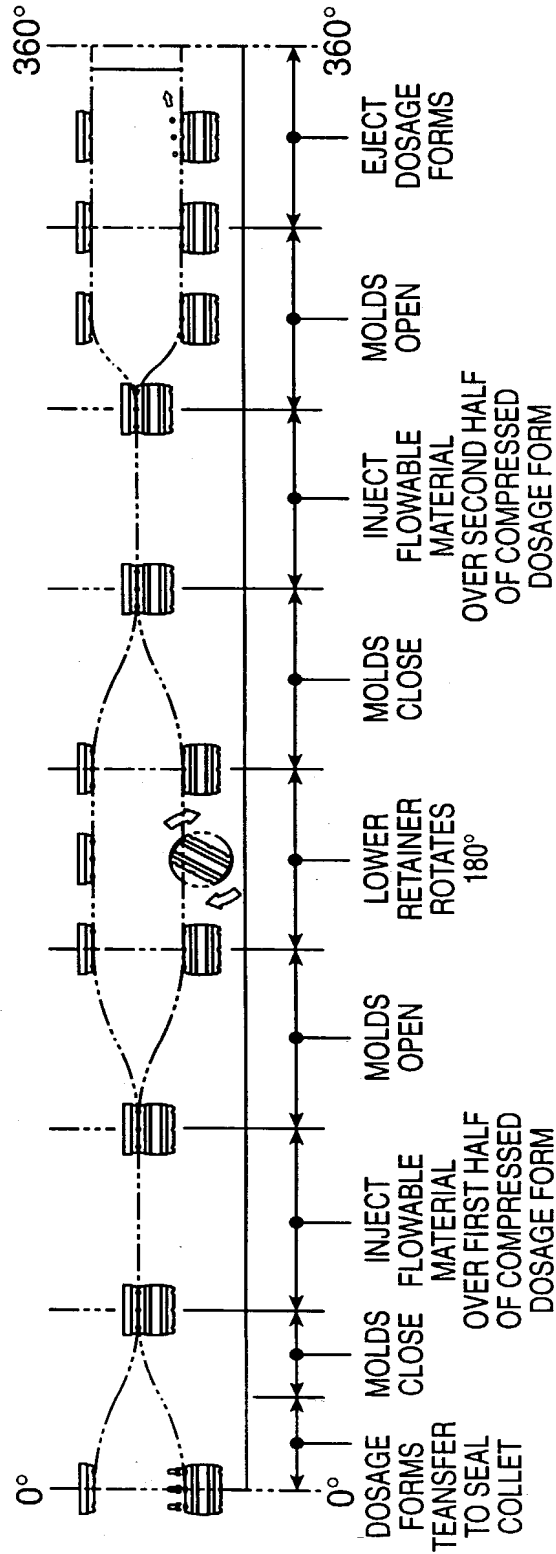




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FIG. 27B

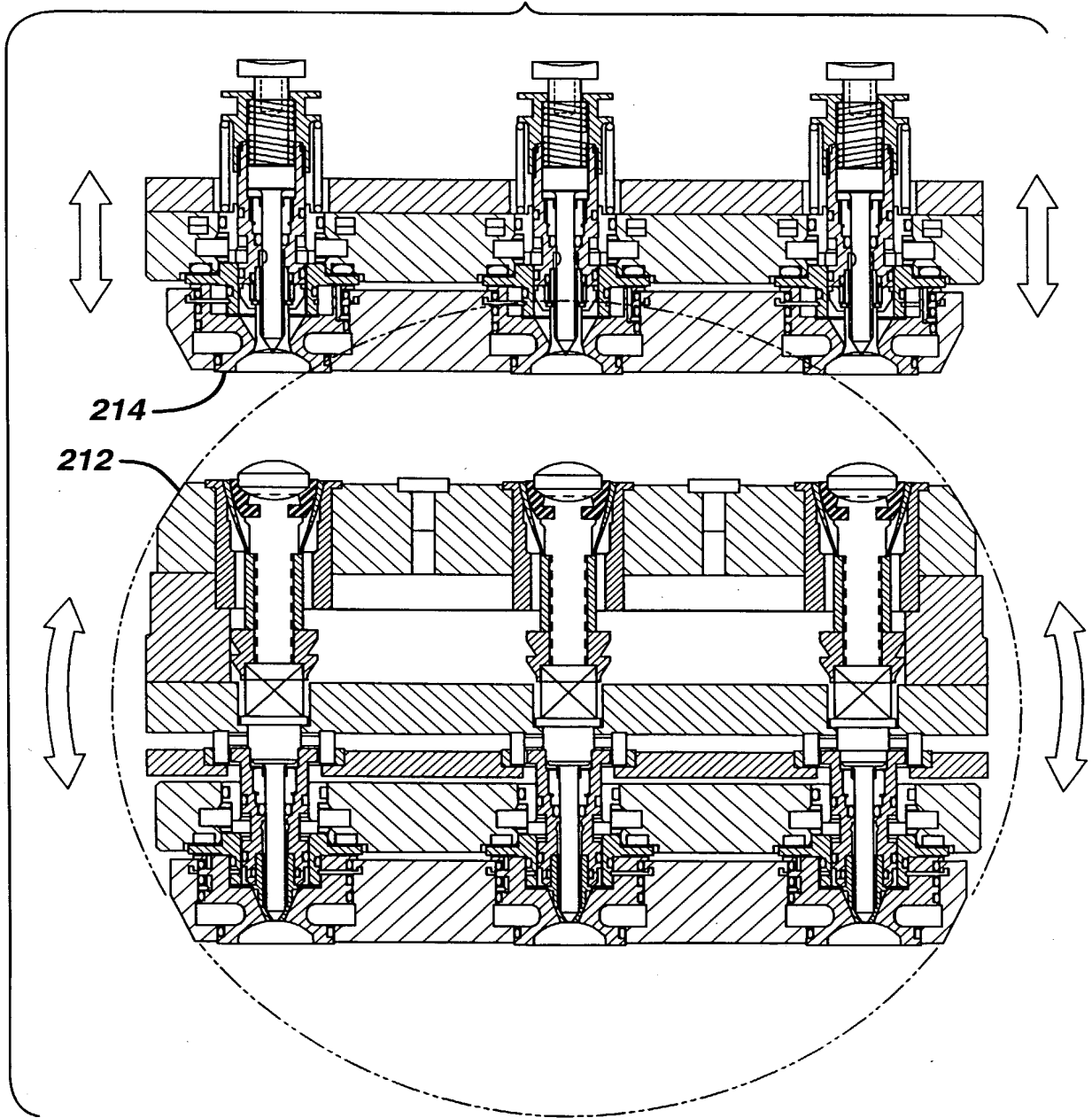




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FIG. 27C



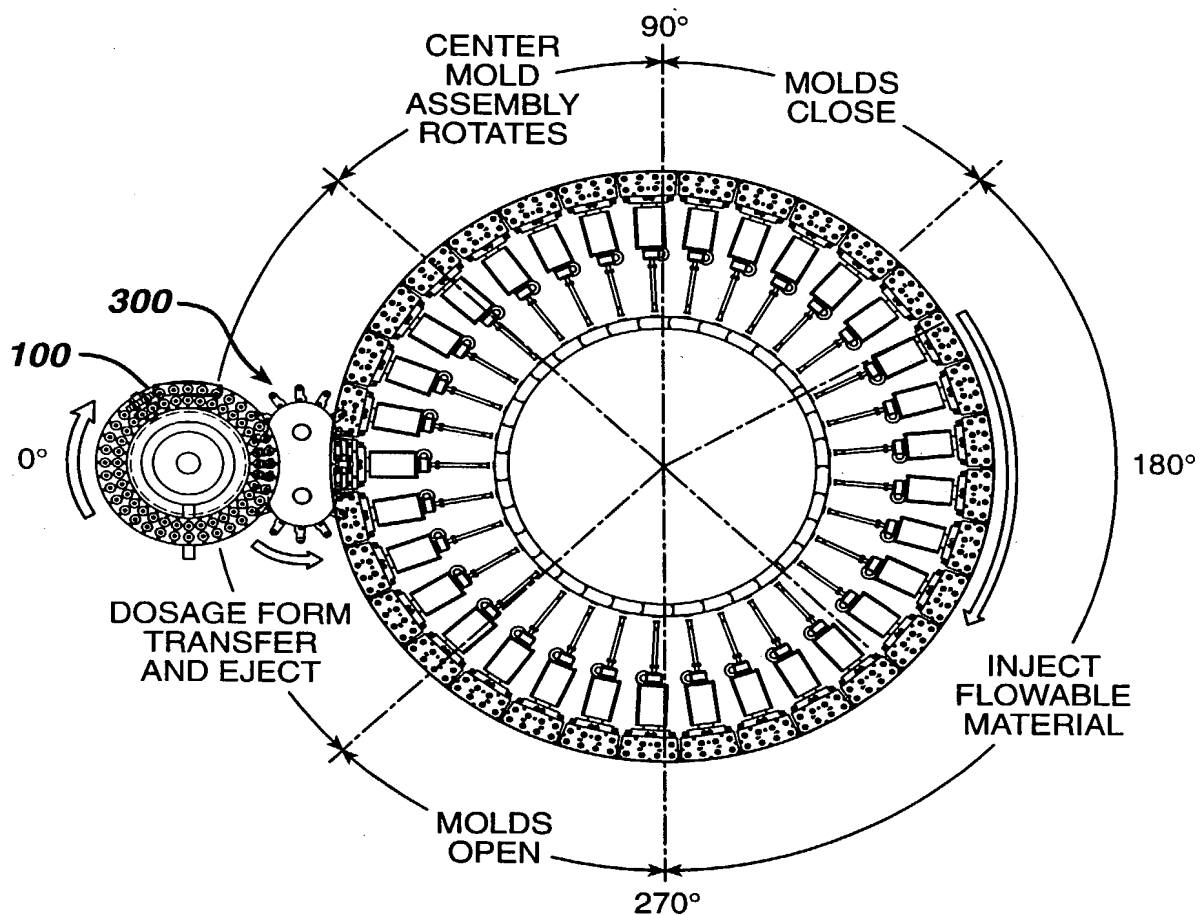


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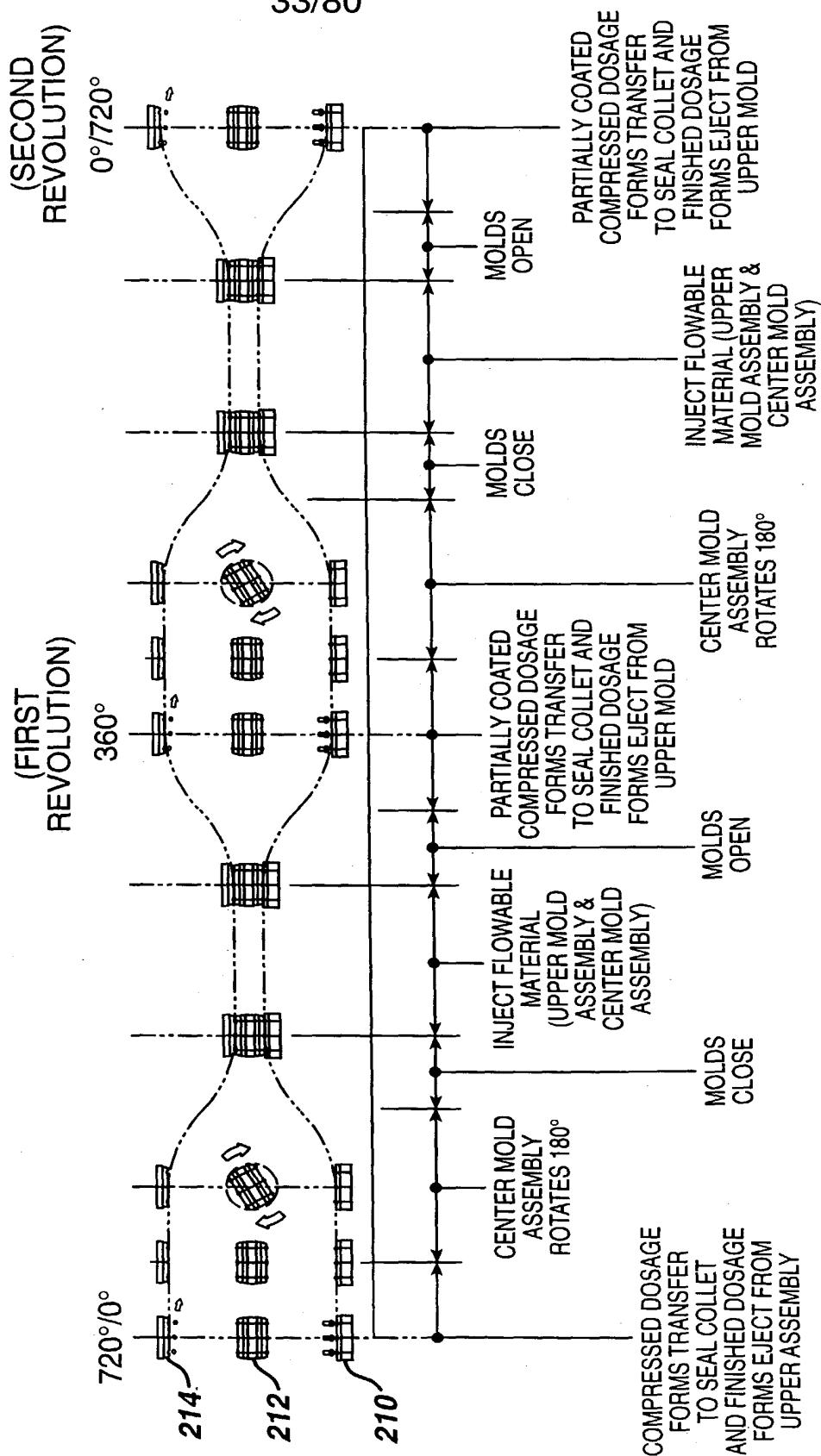
FIG. 28A





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FIG. 28B



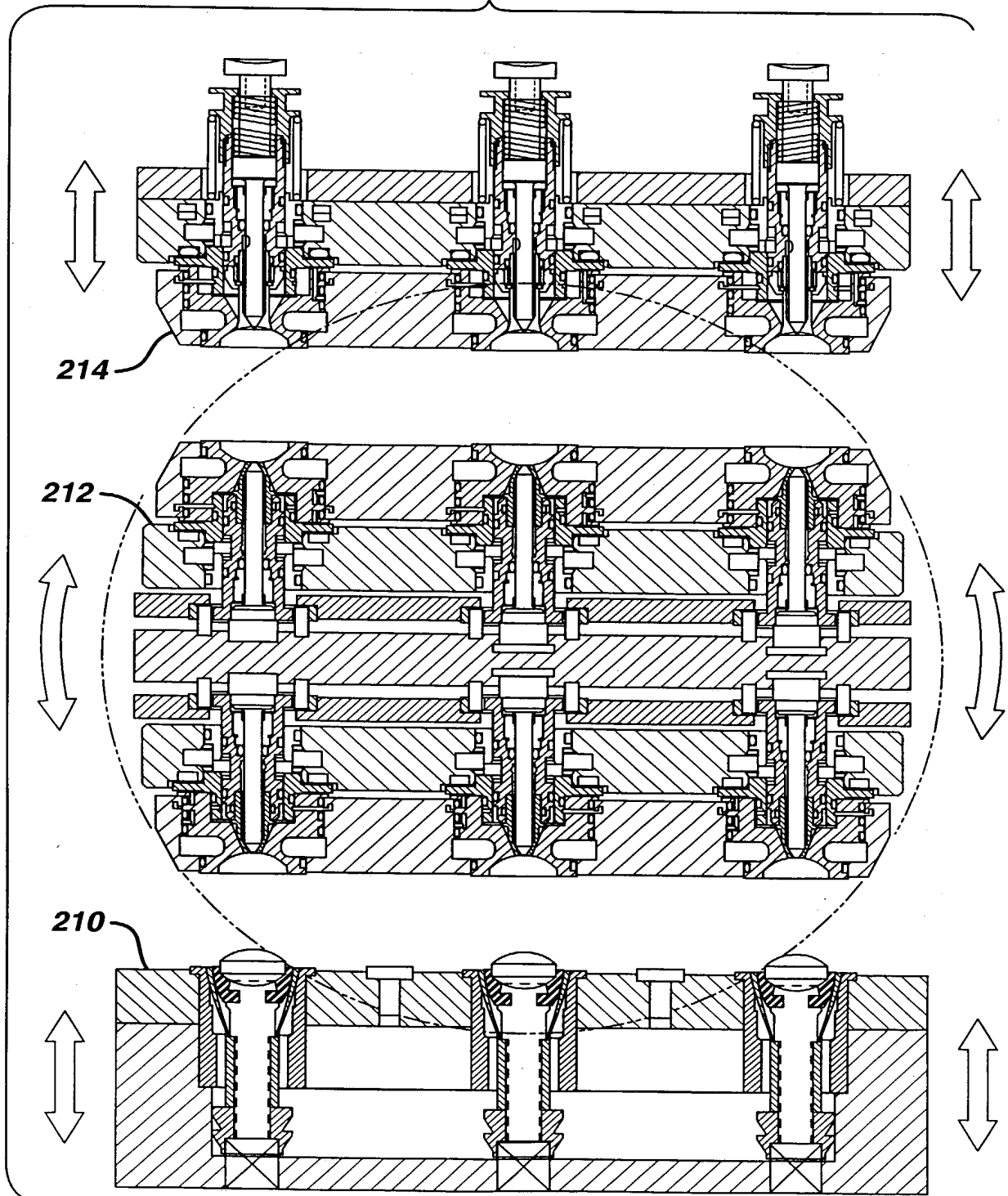


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FIG. 28C





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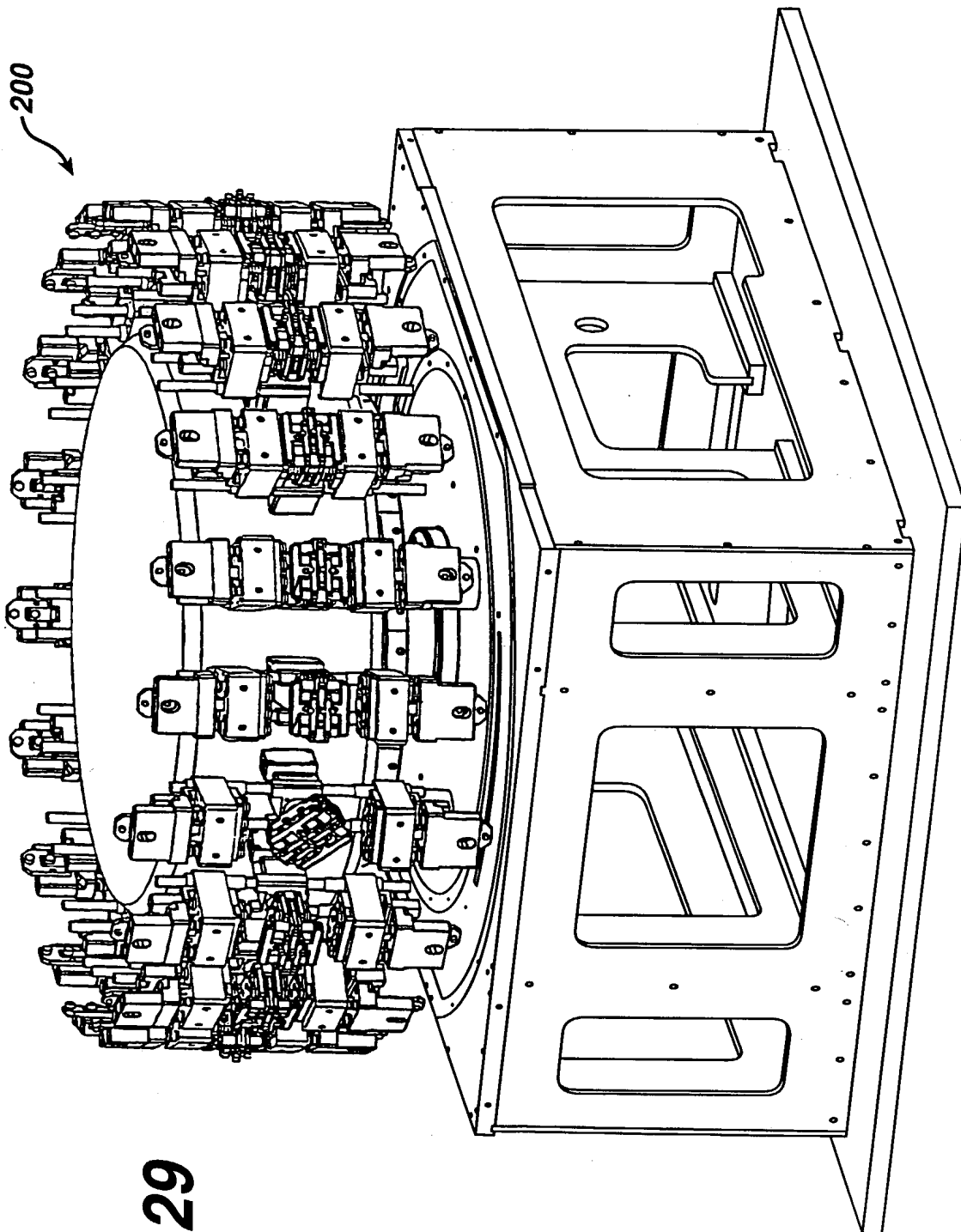


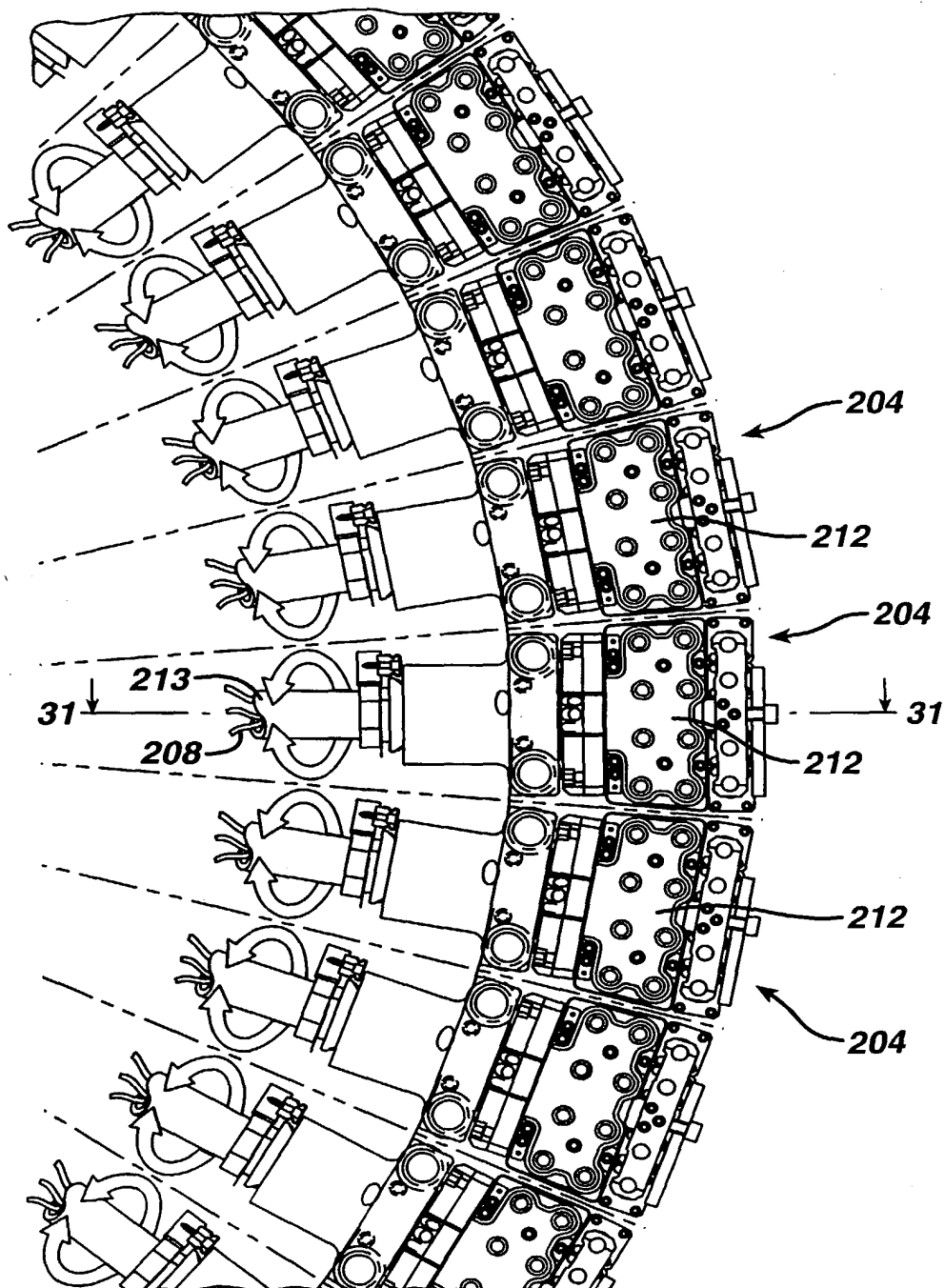
FIG. 29



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FIG. 30

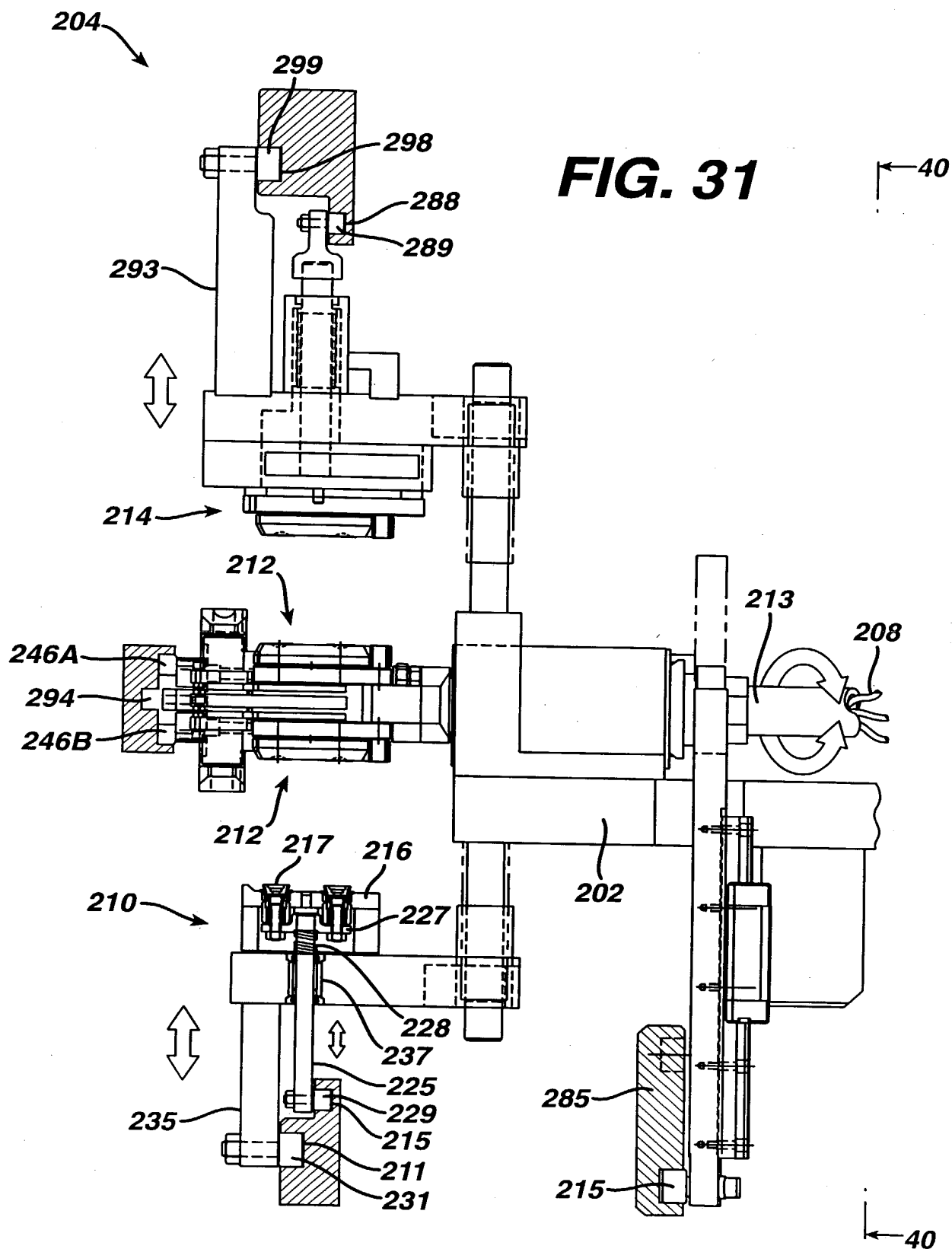




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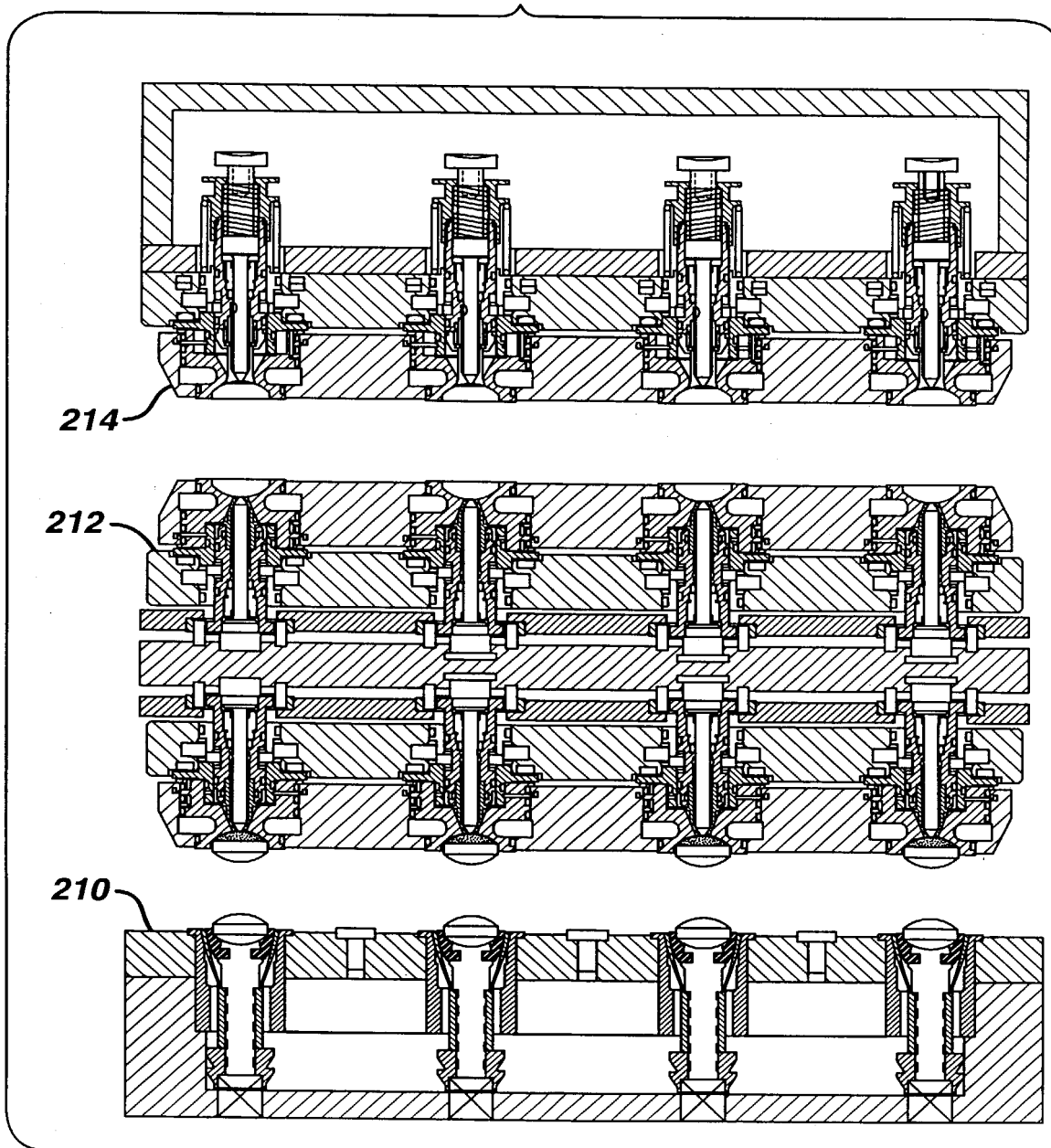


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FIG. 32

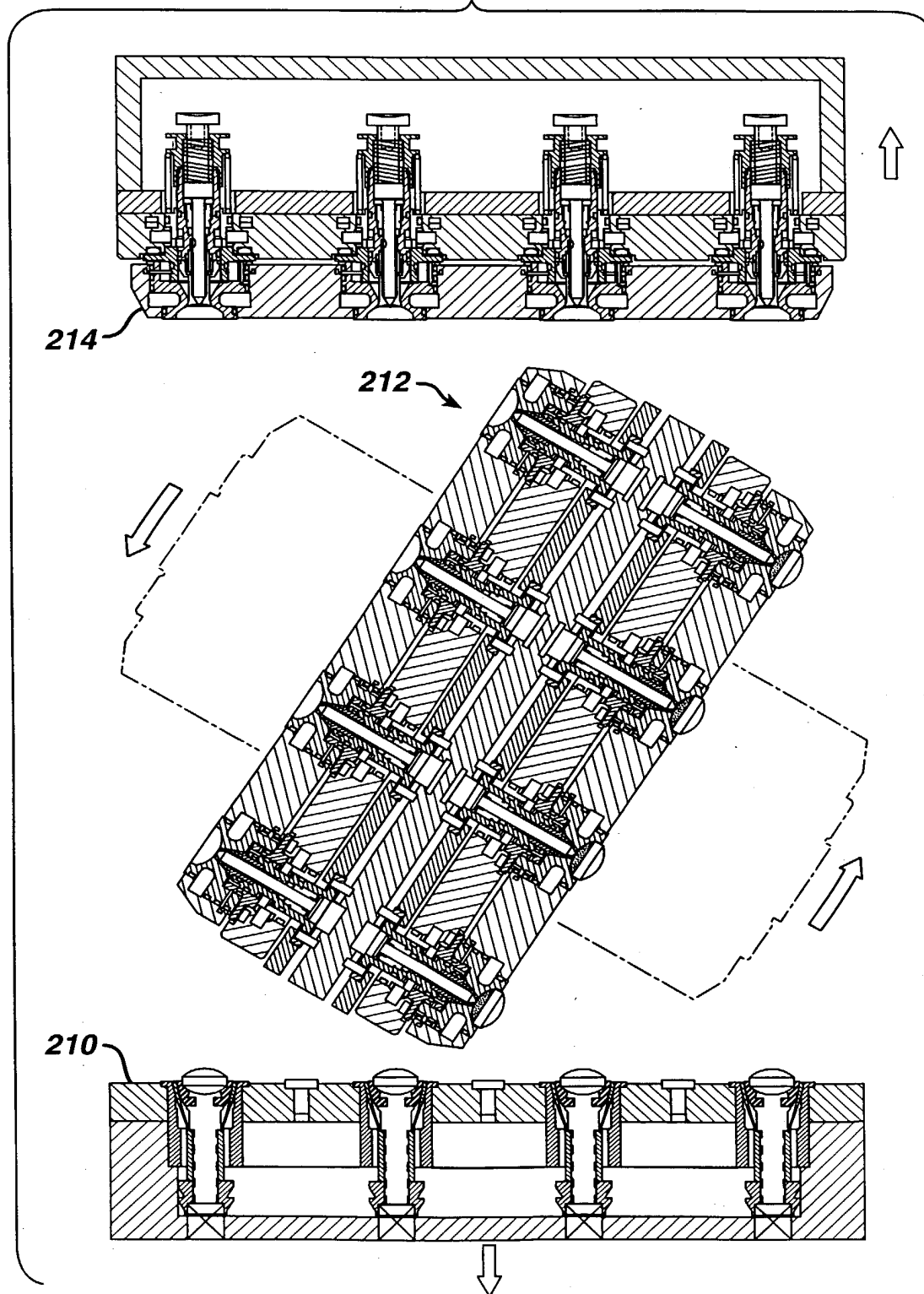




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FIG. 33



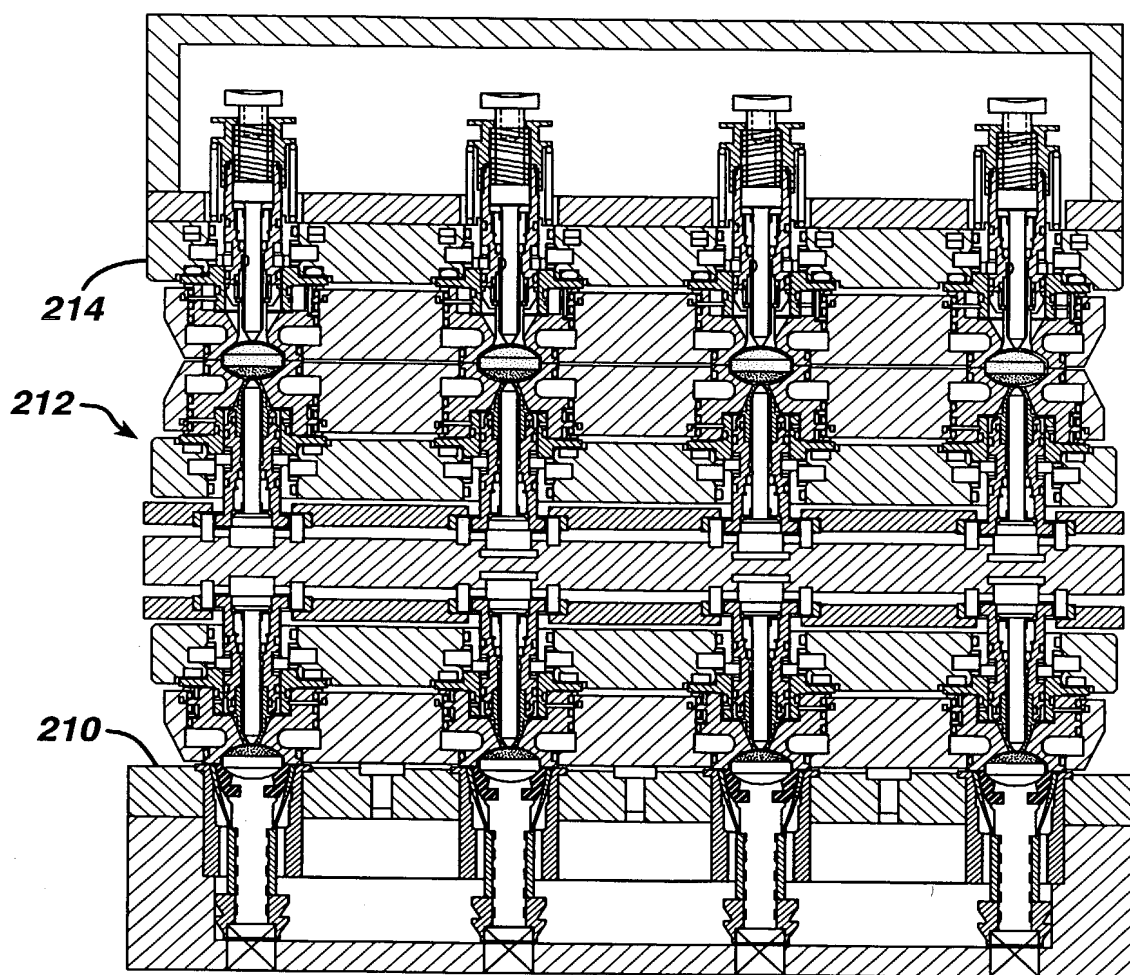


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FIG. 34



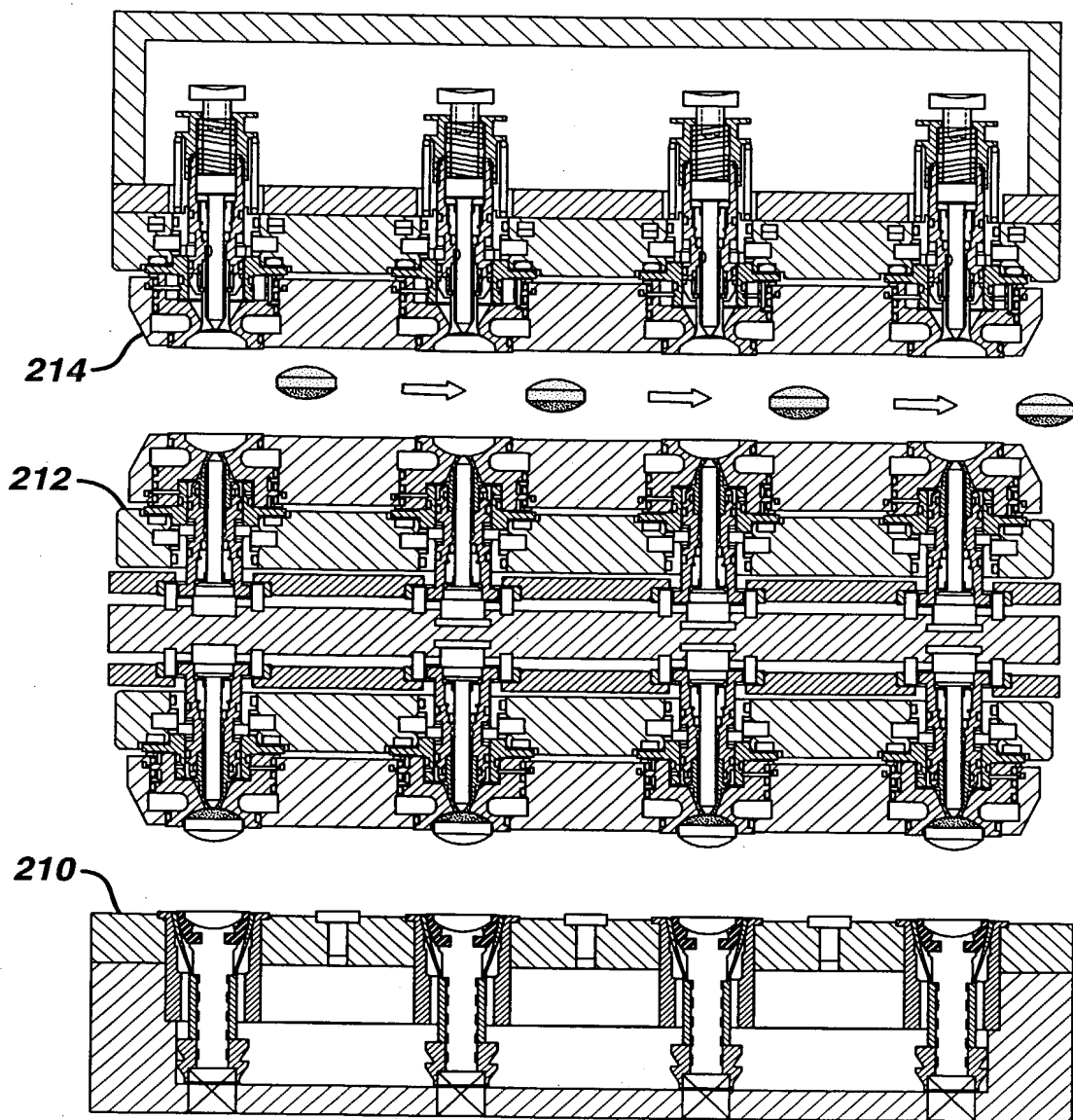


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FIG. 35





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FIG. 39A

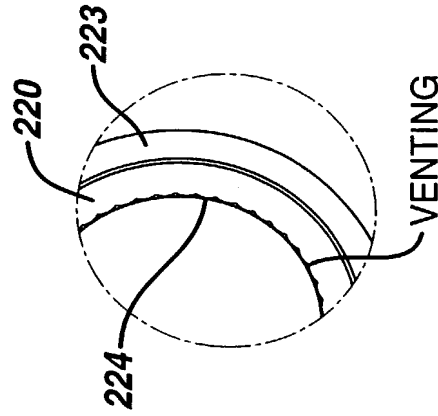


FIG. 39

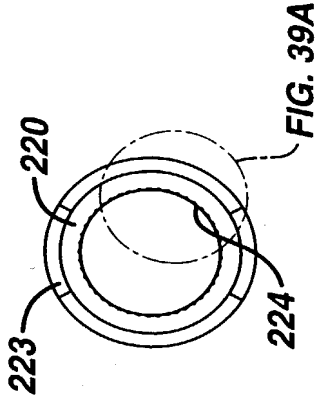


FIG. 38

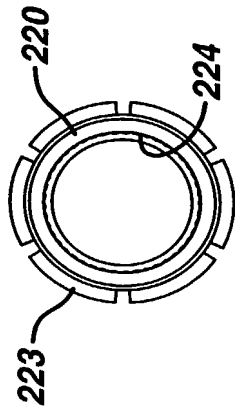


FIG. 37

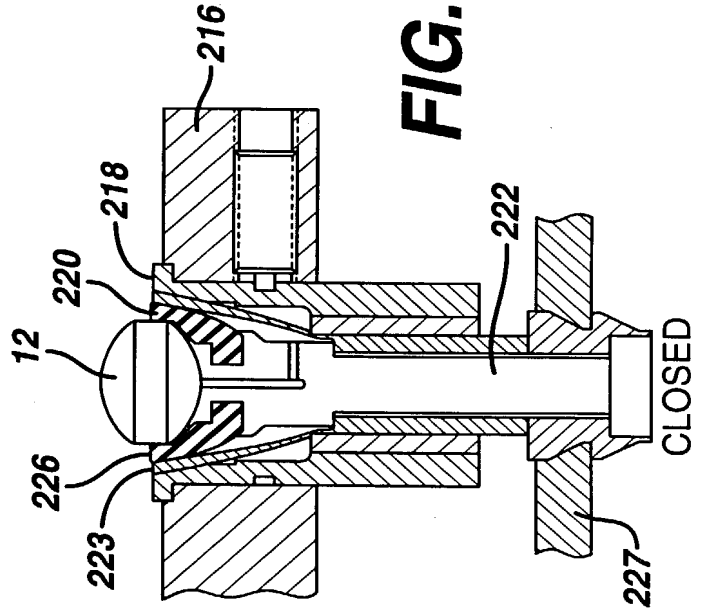
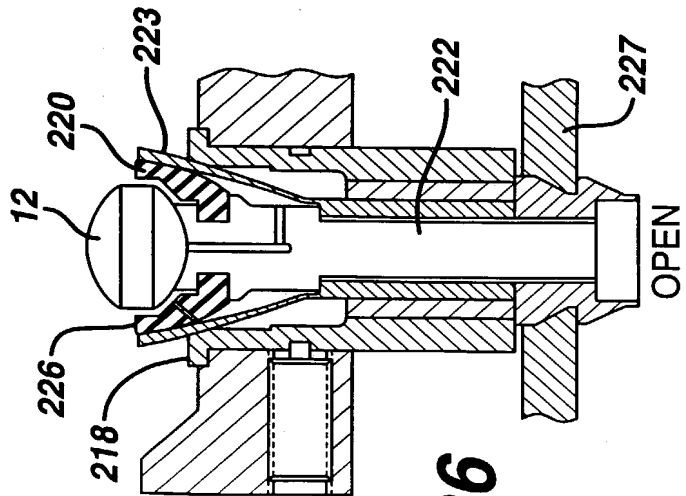
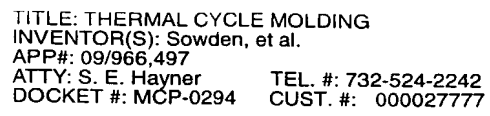


FIG. 36

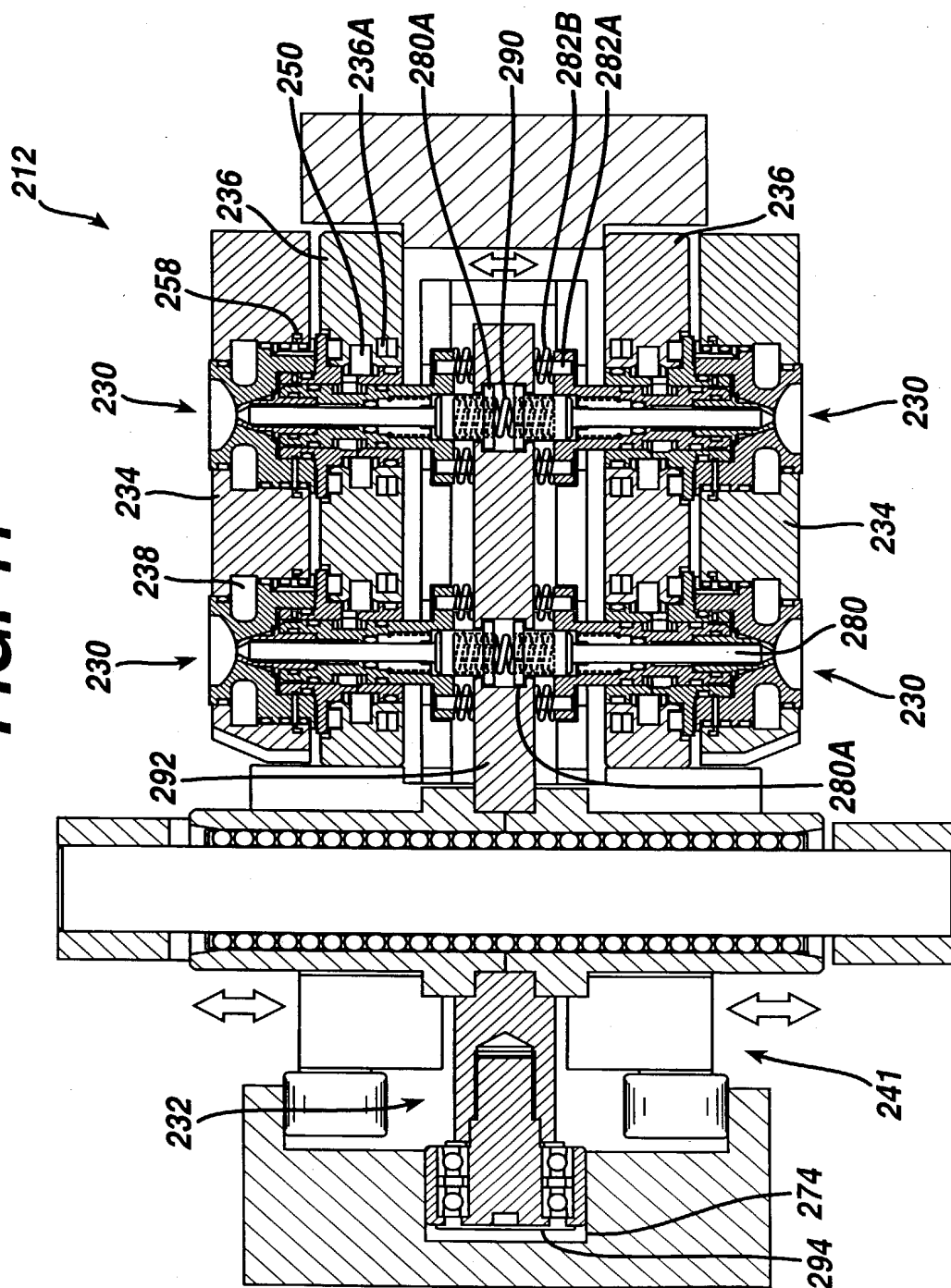


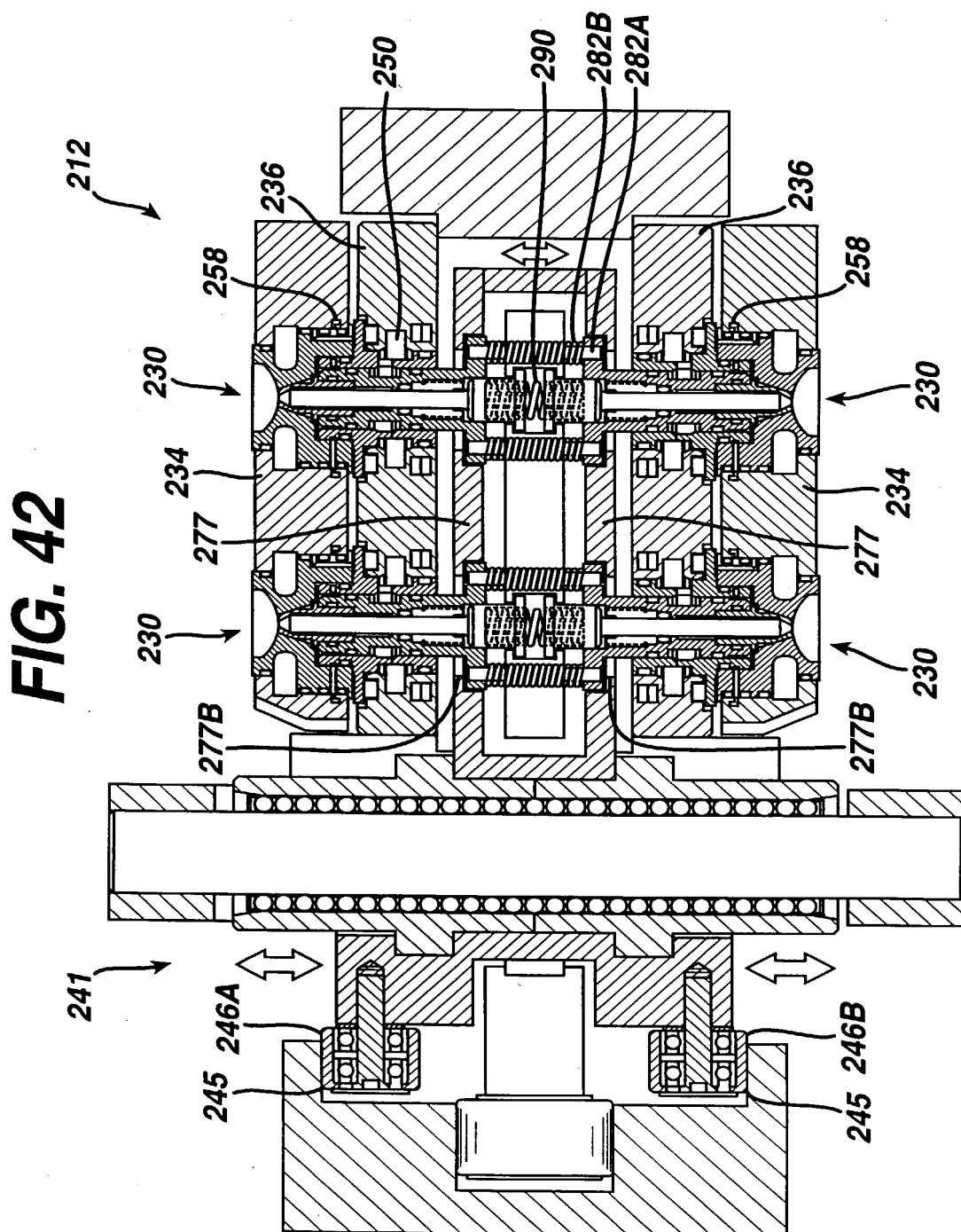




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FIG. 41





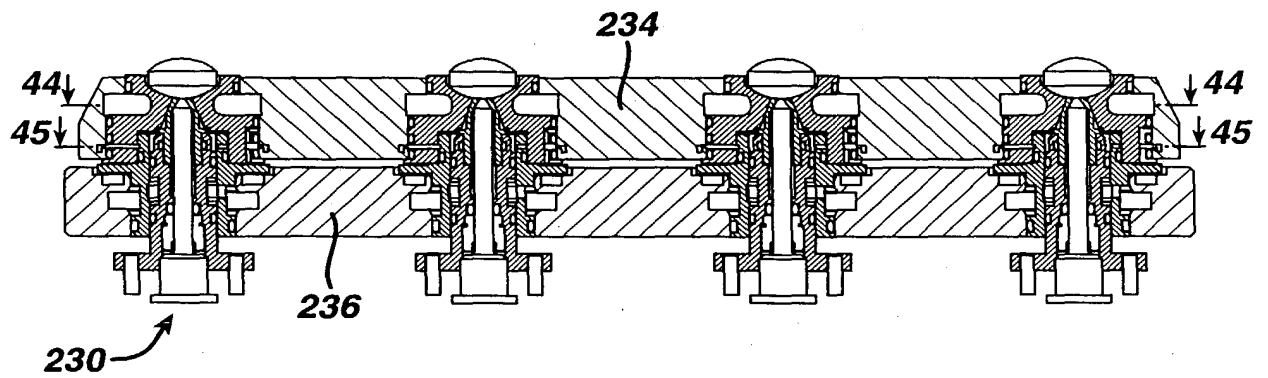


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FIG. 43



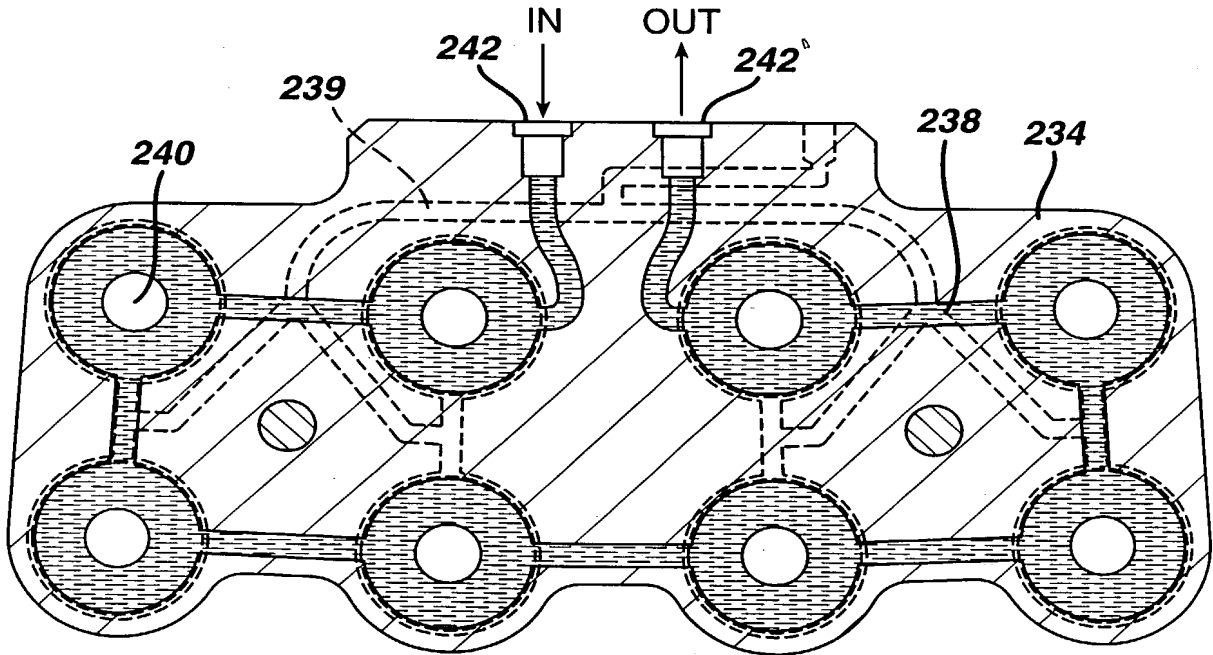


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FIG. 44



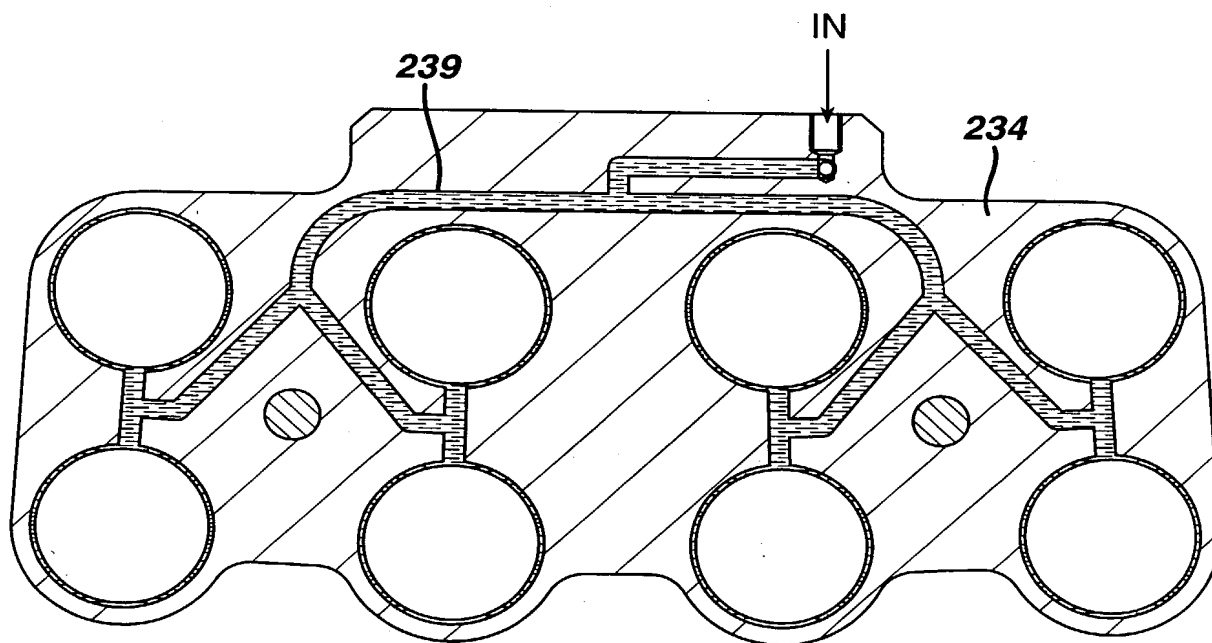


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FIG. 45

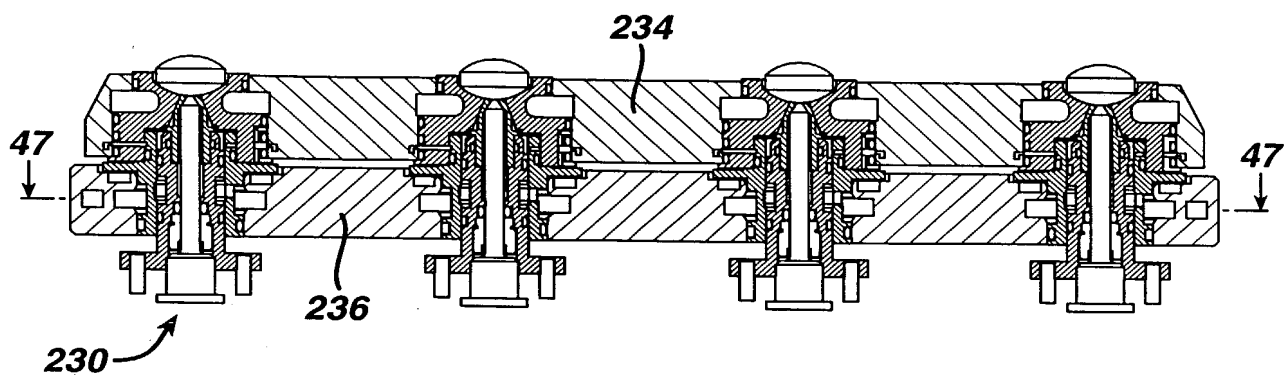




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FIG. 46



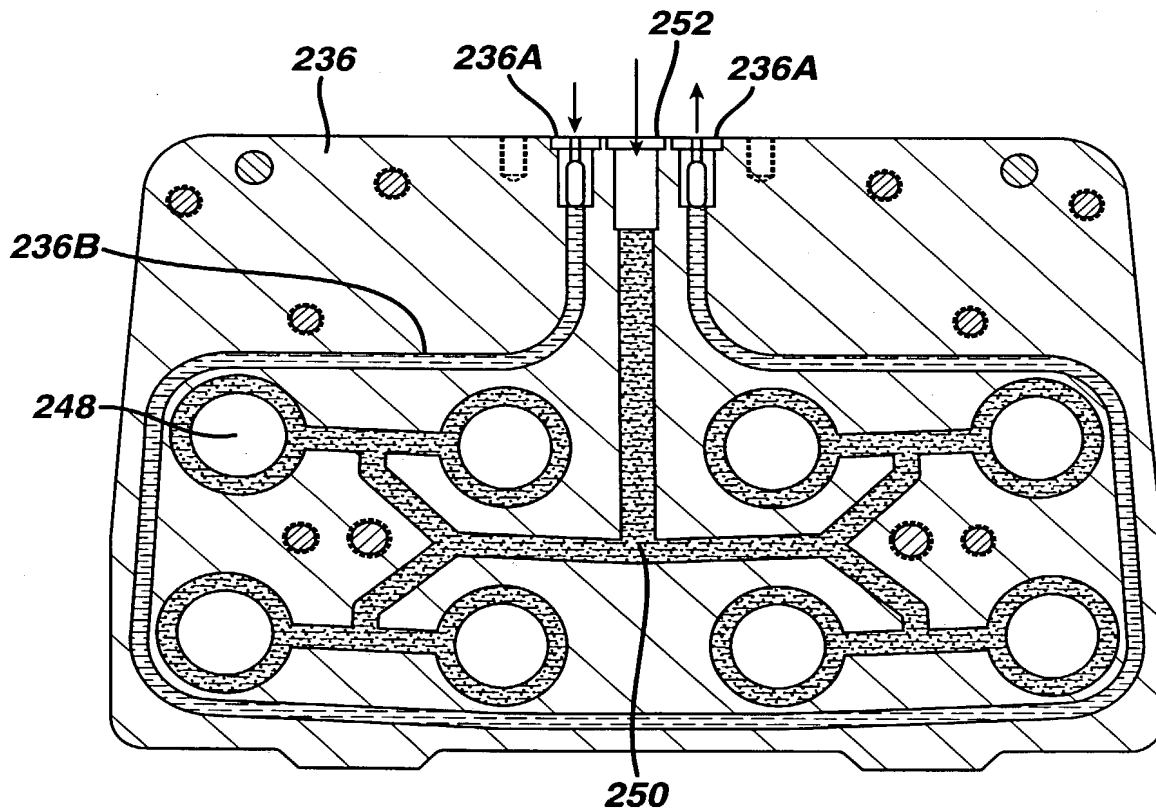


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FIG. 47





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FIG. 50

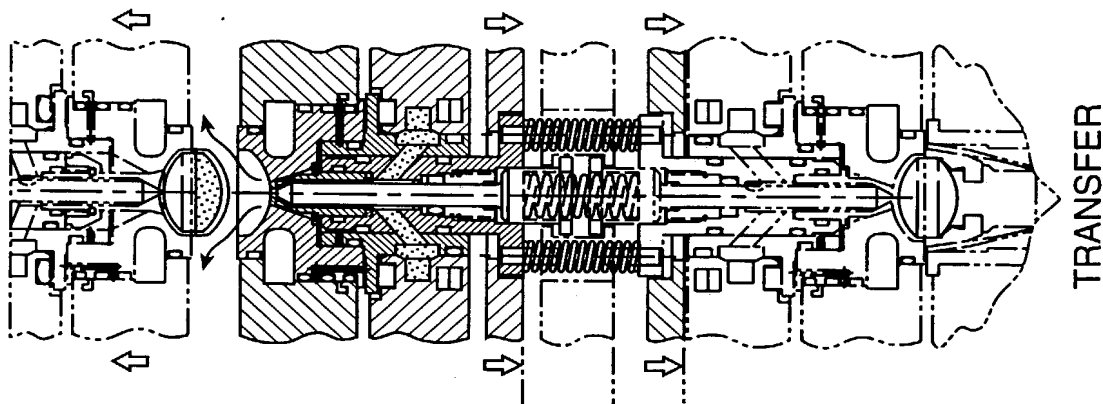


FIG. 49

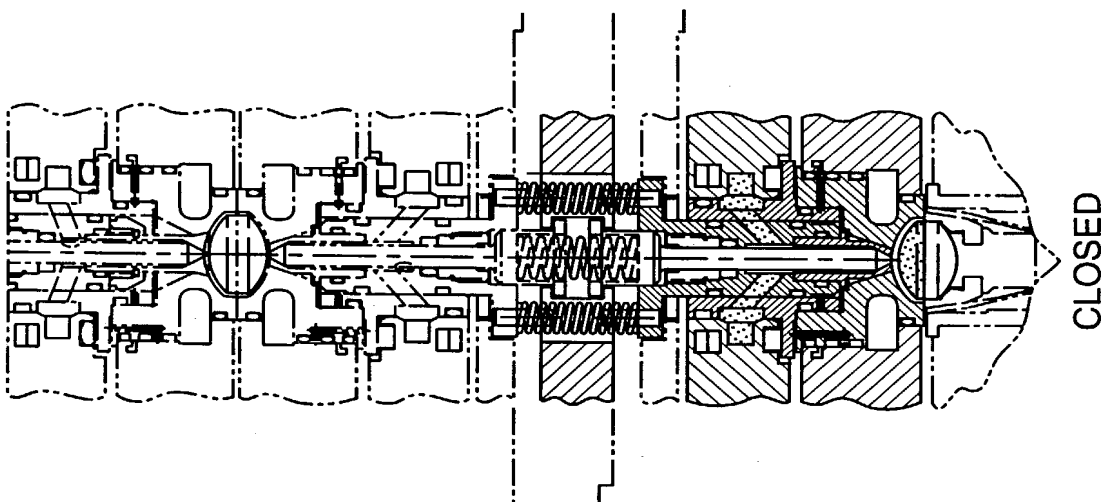
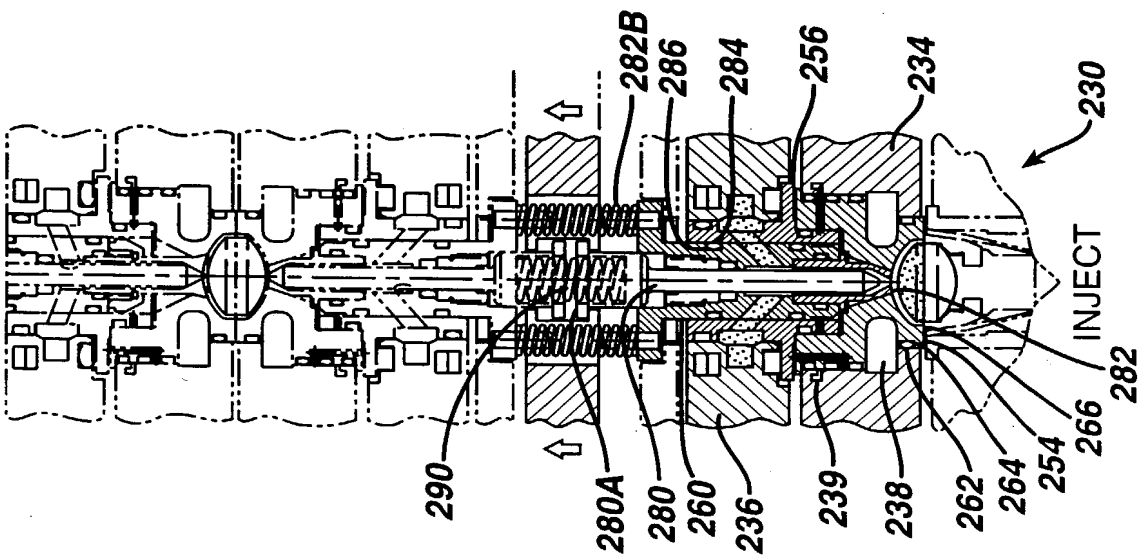
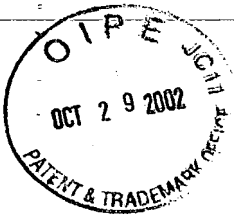


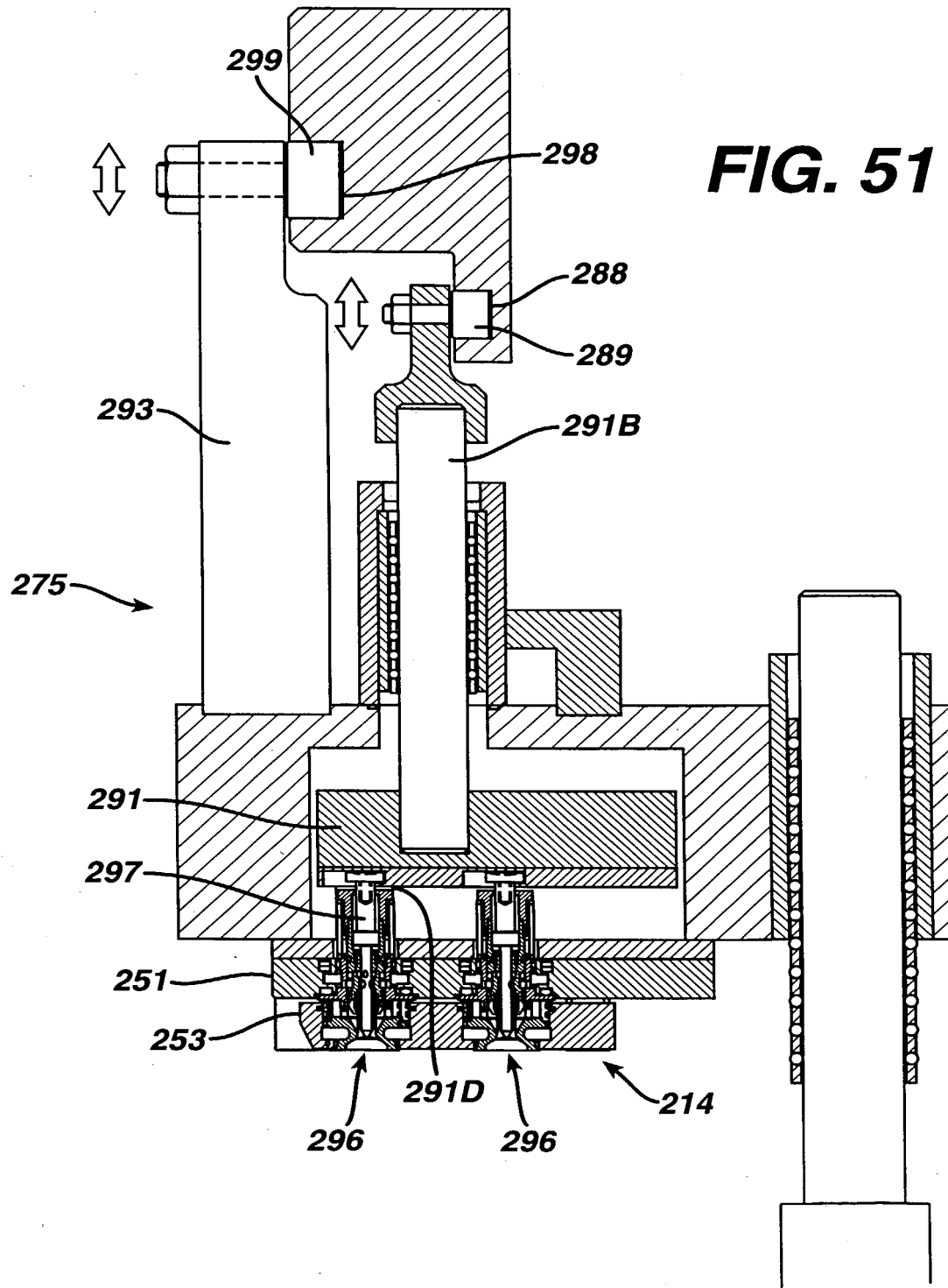
FIG. 48





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FIG. 54

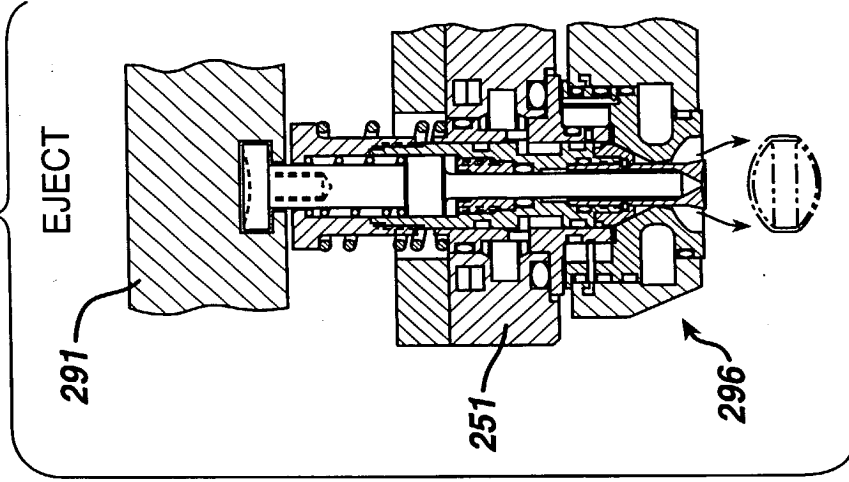


FIG. 53

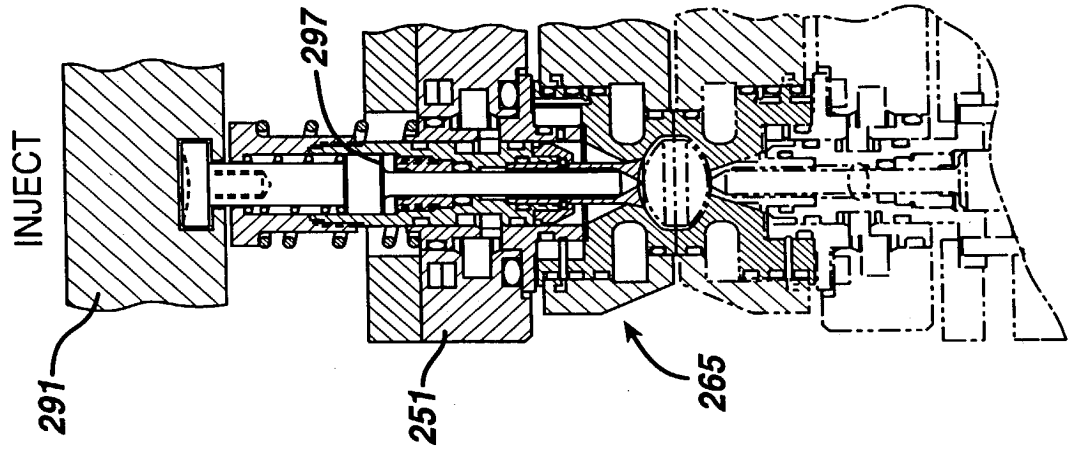
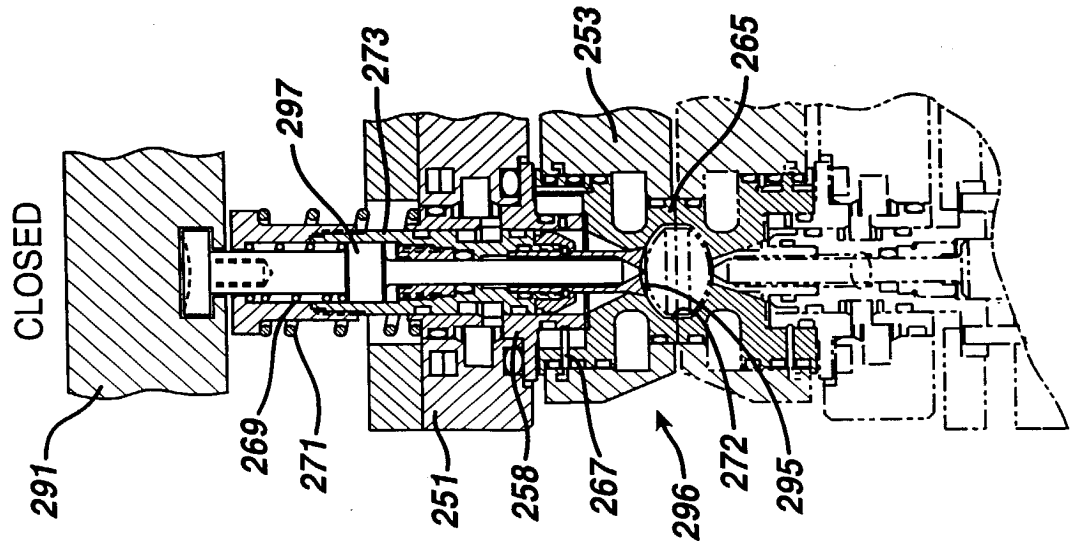


FIG. 52





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FIG. 55

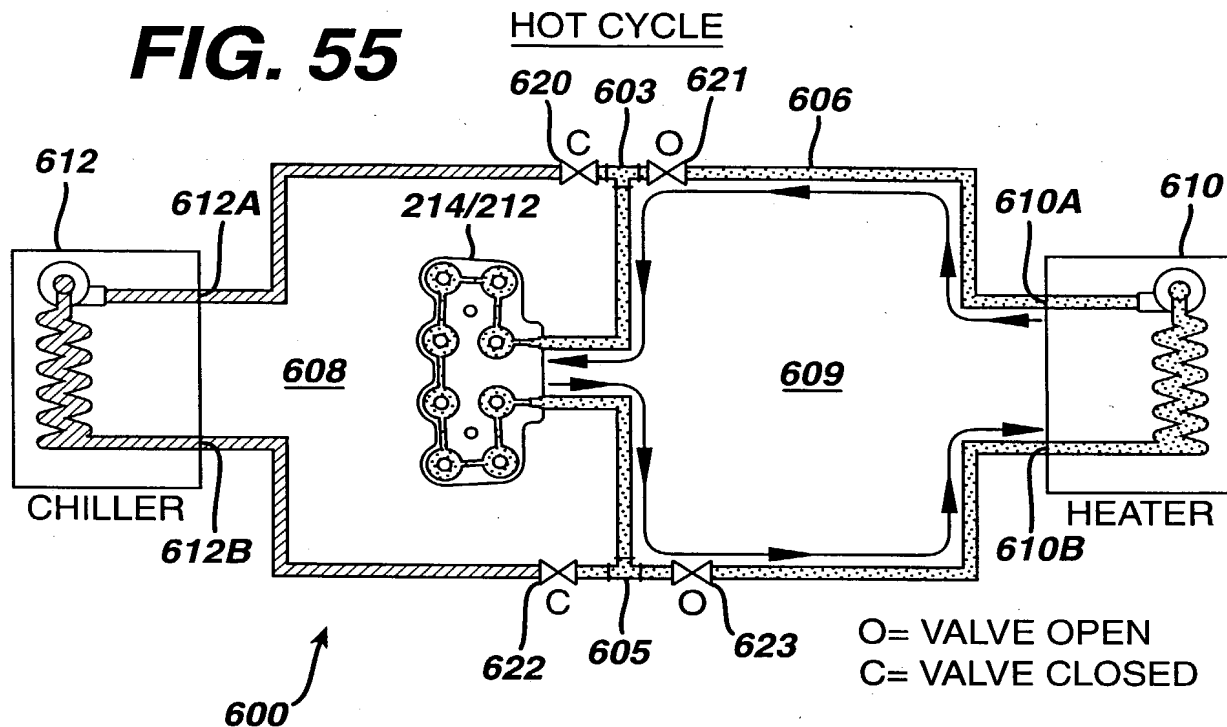
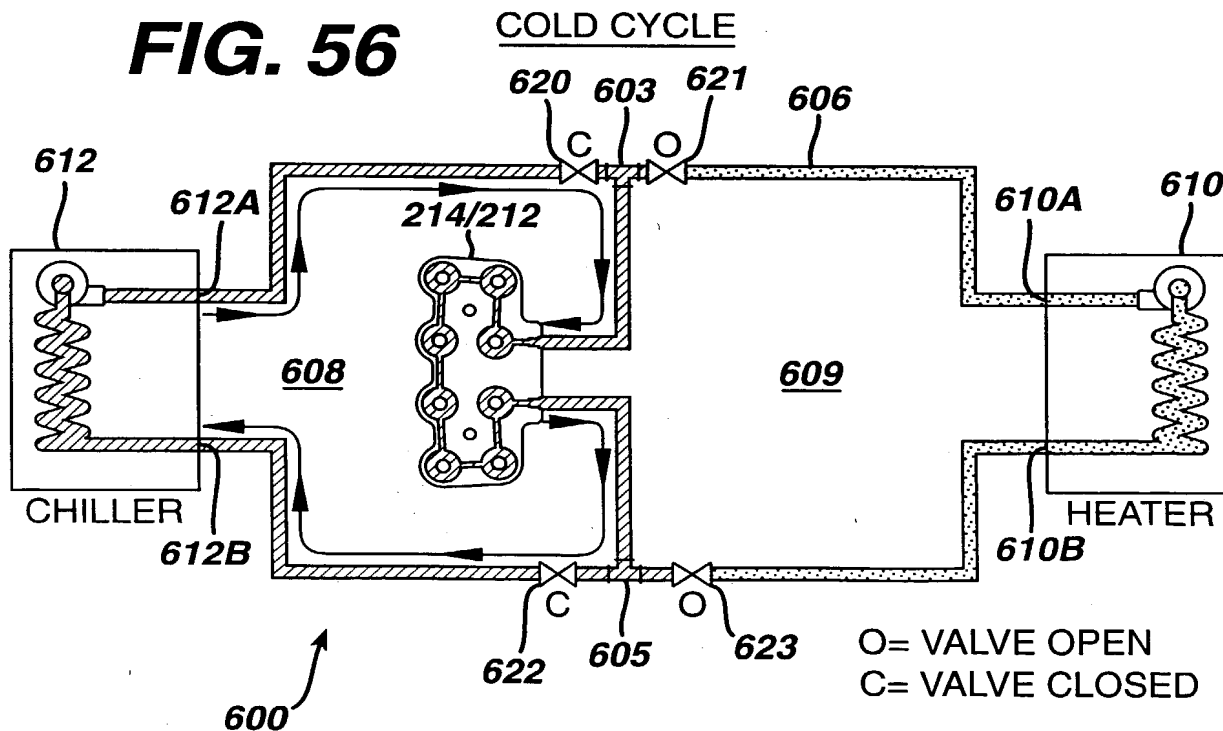


FIG. 56





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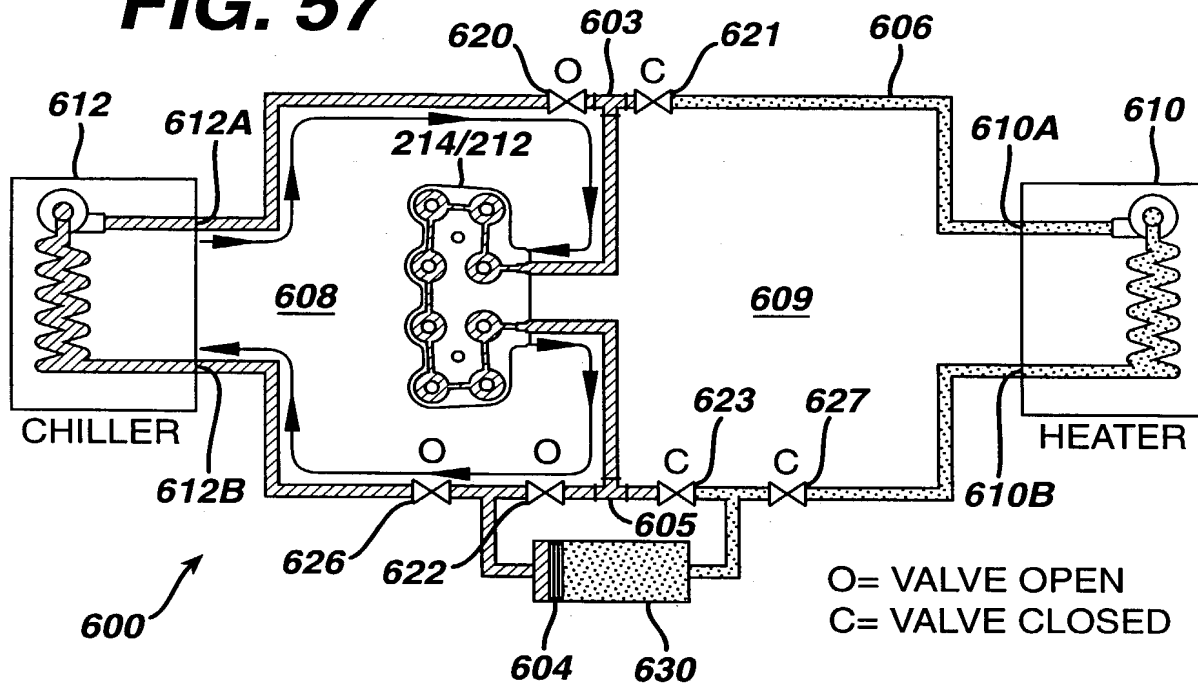
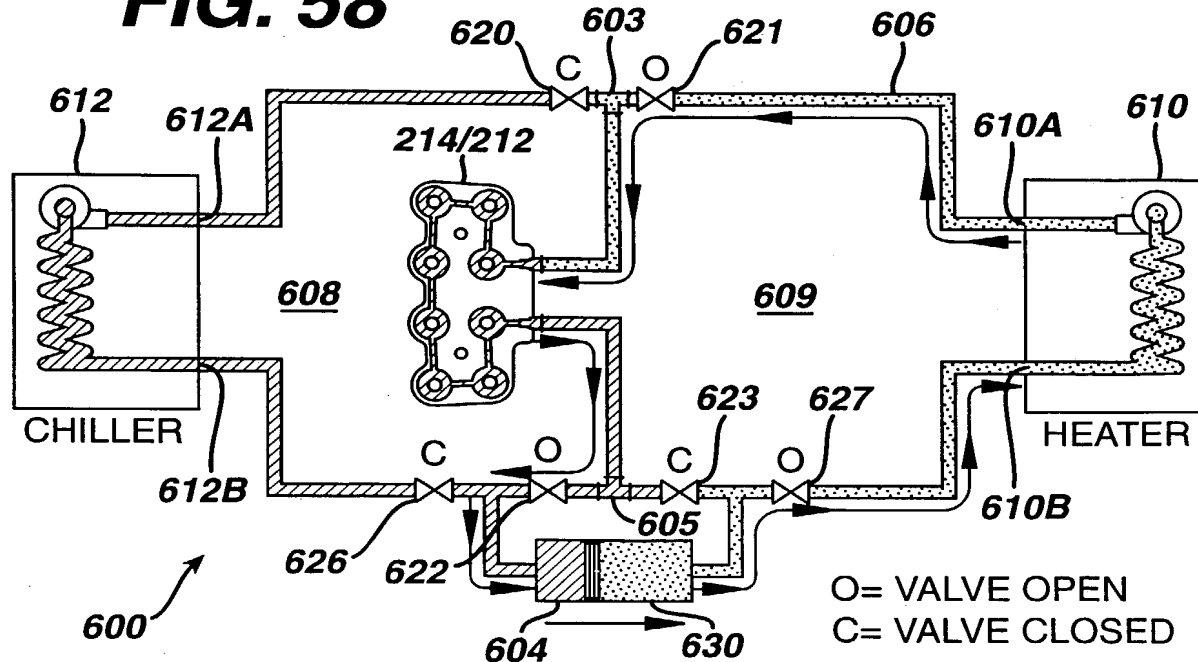
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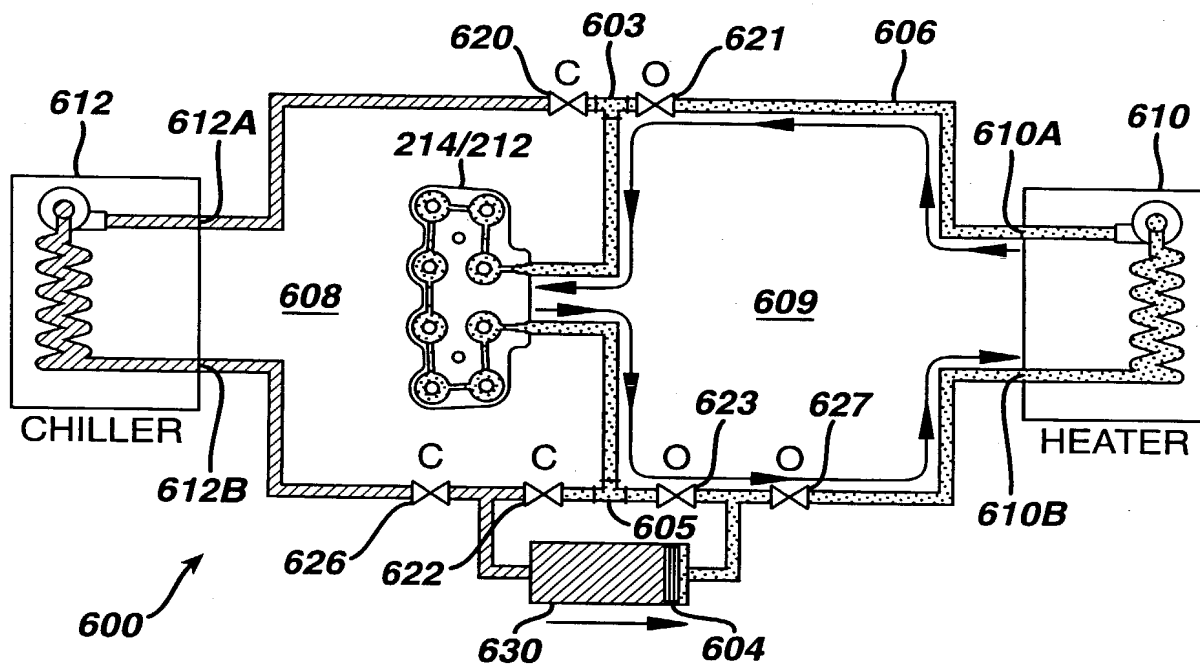
FIG. 57**FIG. 58**



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FIG. 59



O= VALVE OPEN
C= VALVE CLOSED



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FIG. 60A

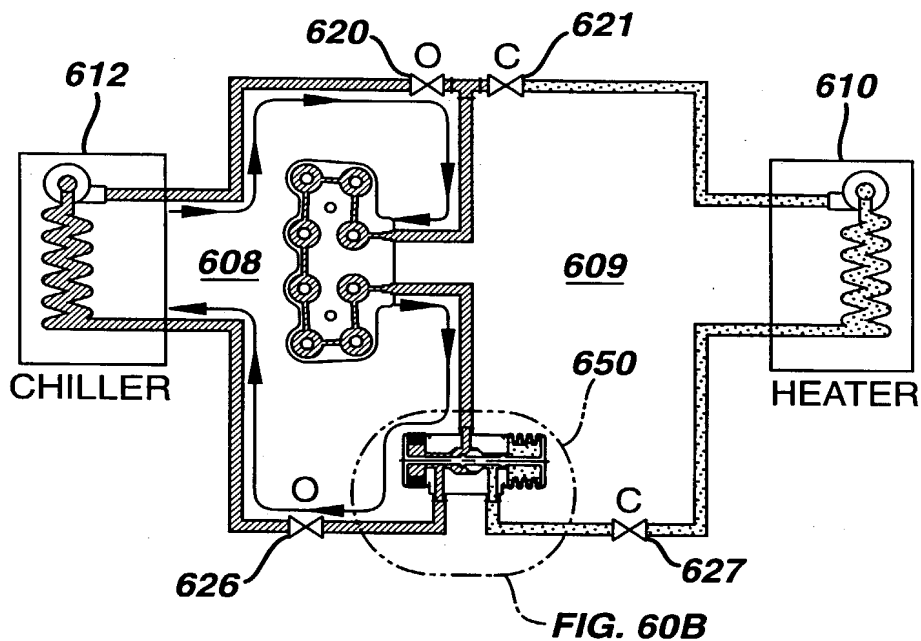
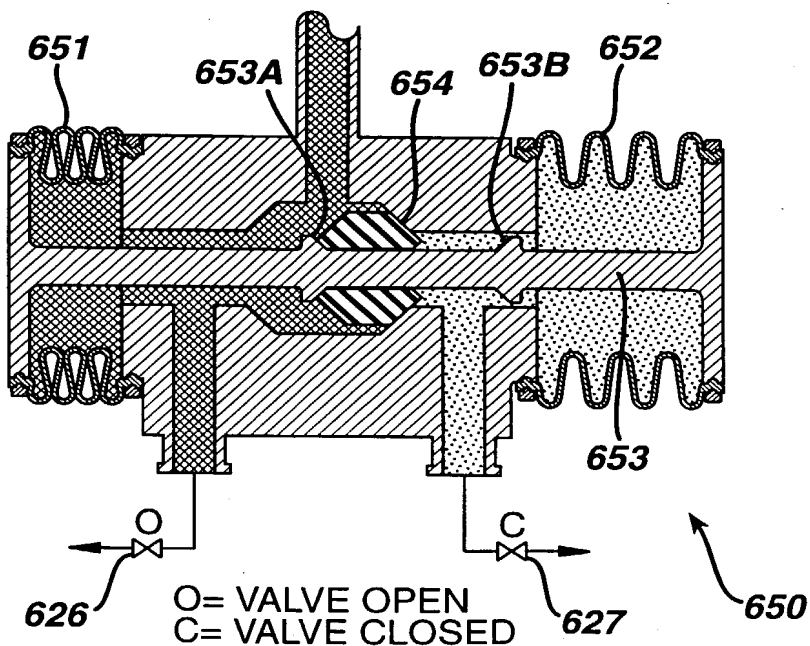


FIG. 60B



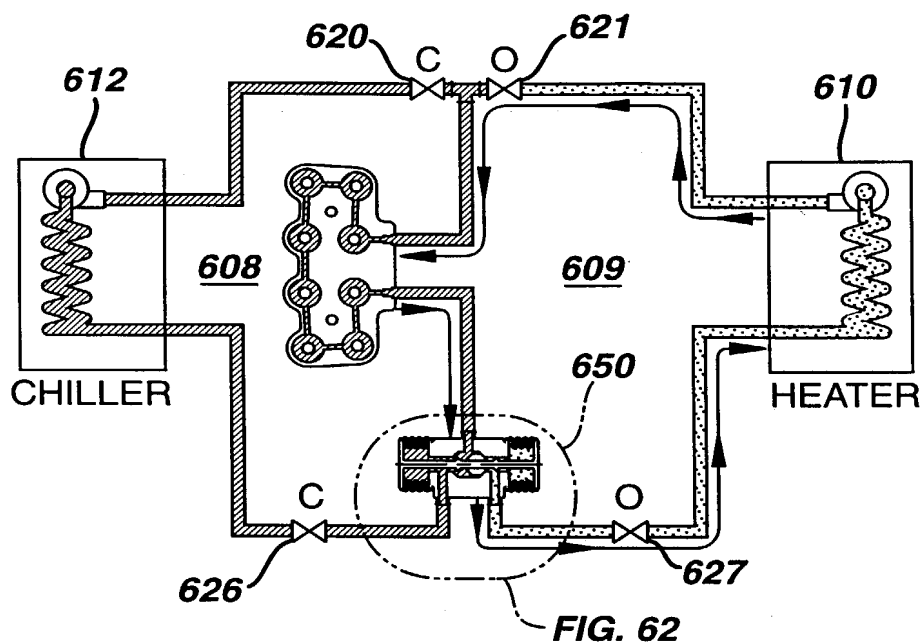


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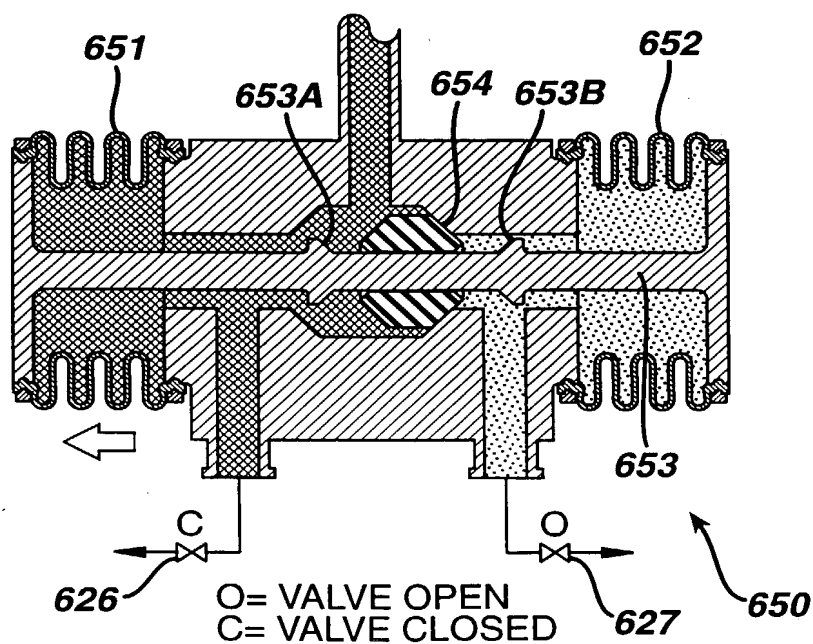
TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner
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FIG. 61

O= VALVE OPEN
C= VALVE CLOSED

FIG. 62

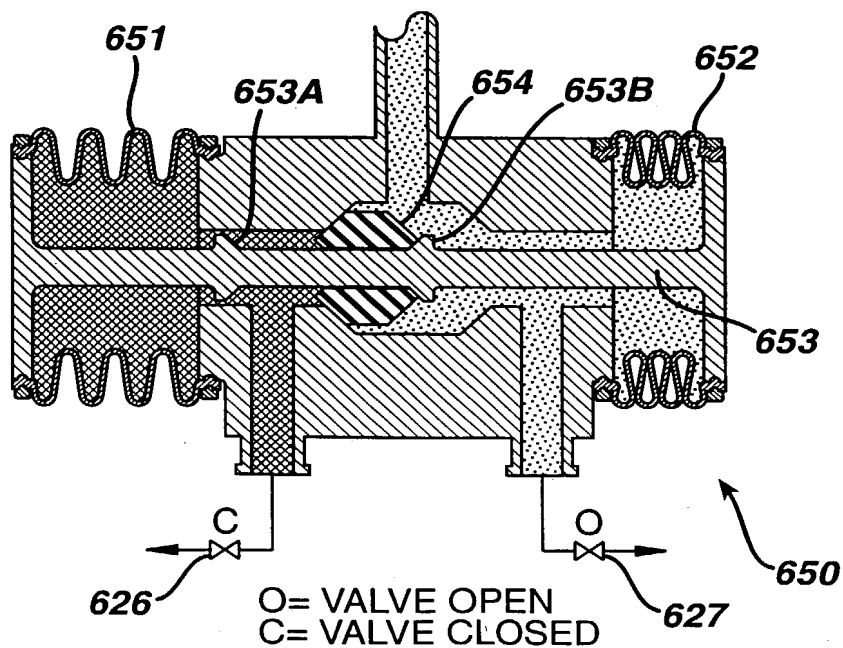


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FIG. 64

O= VALVE OPEN
C= VALVE CLOSED

FIG. 64

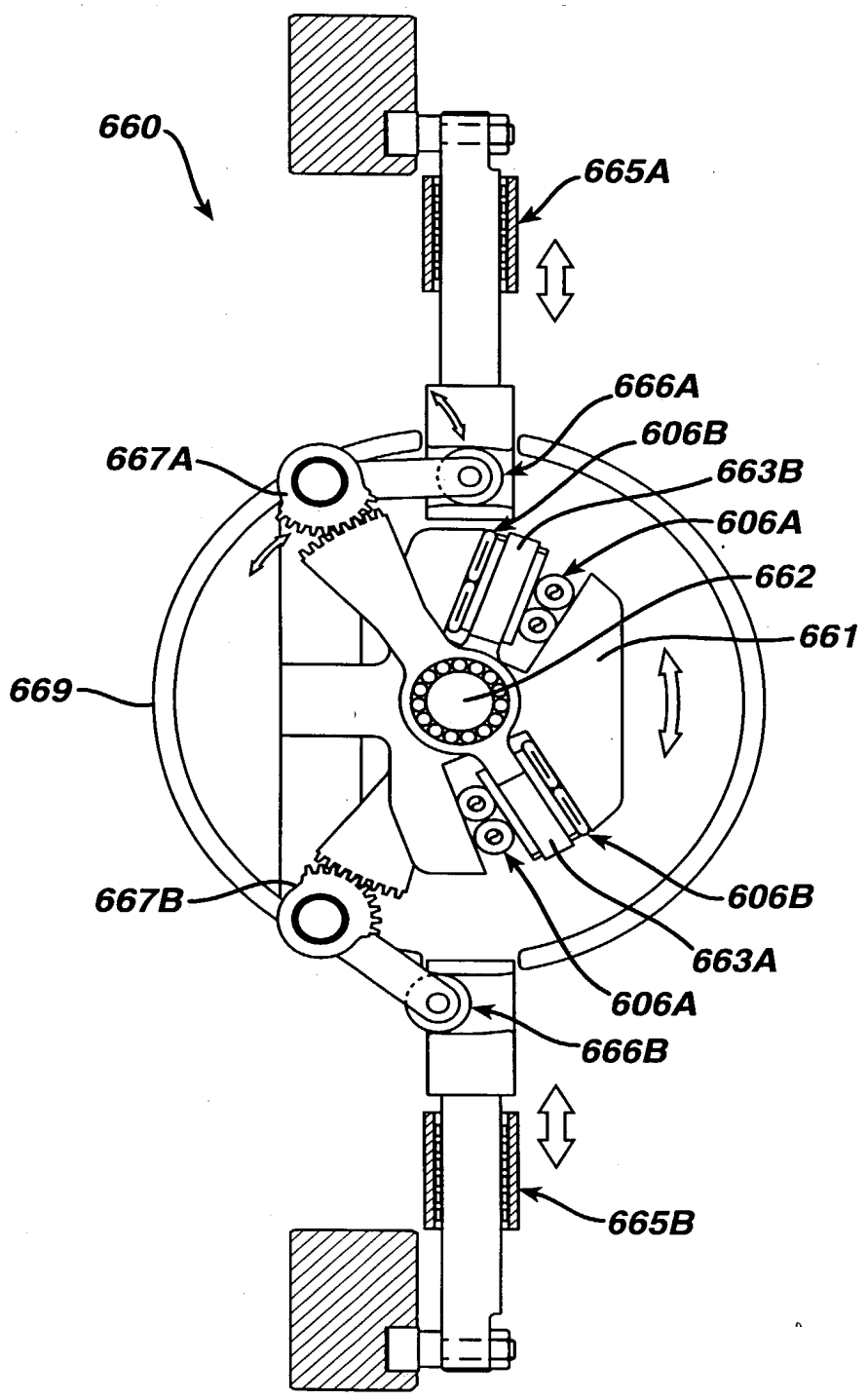




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FIG. 65



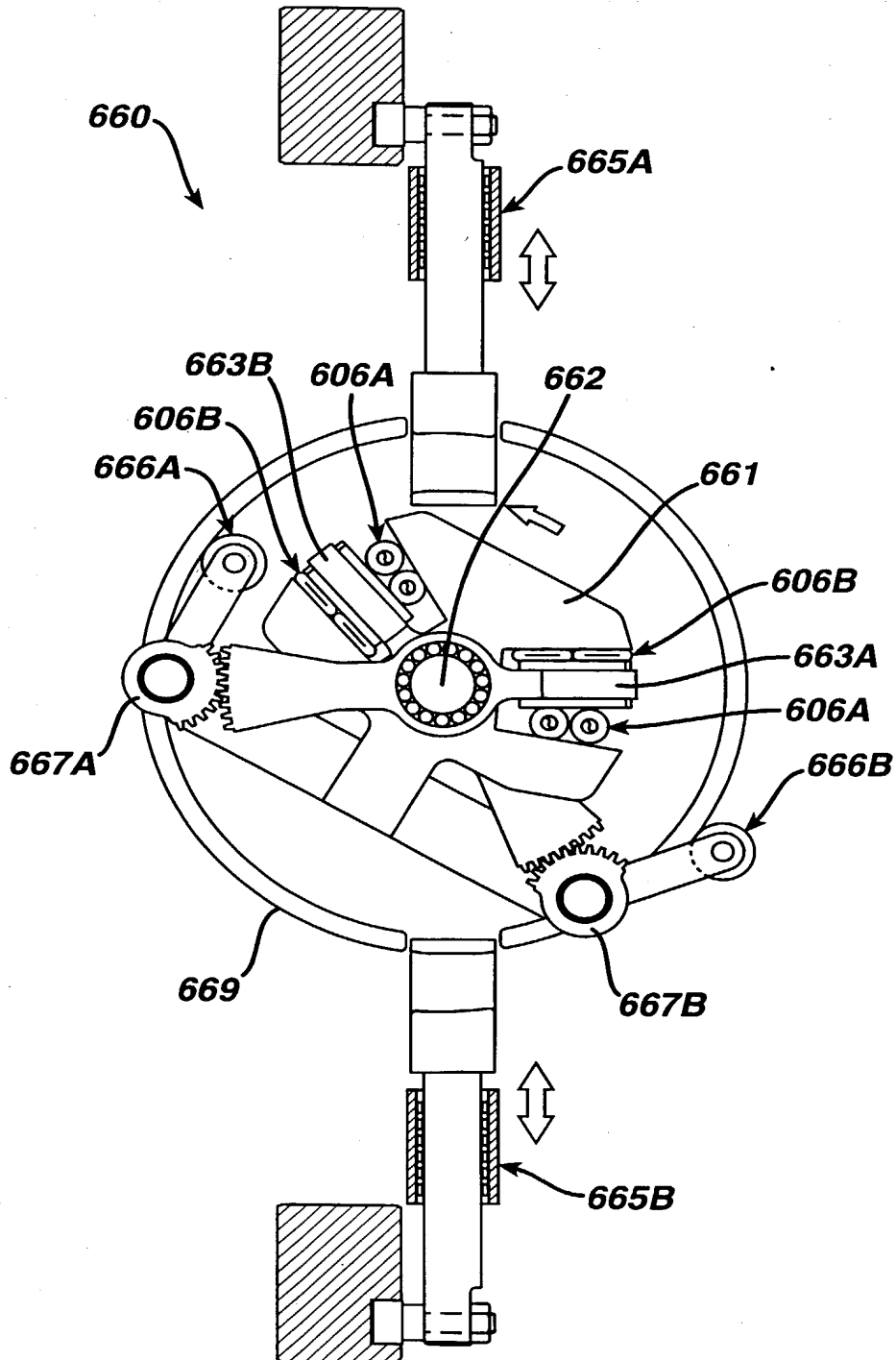


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FIG. 66





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660

665A

662

667A

666A

606B

663B

606A

667B

666B

606A

663A

606B

661

669

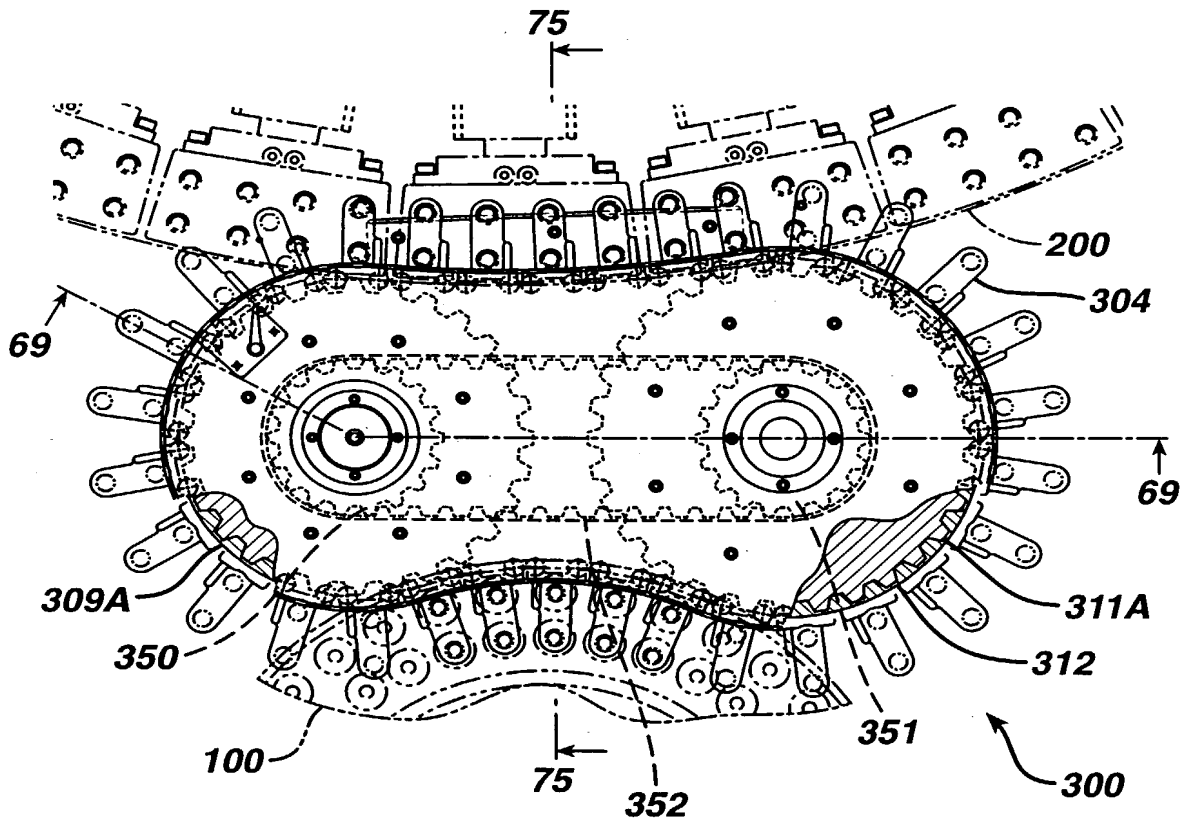
665B



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FIG. 68



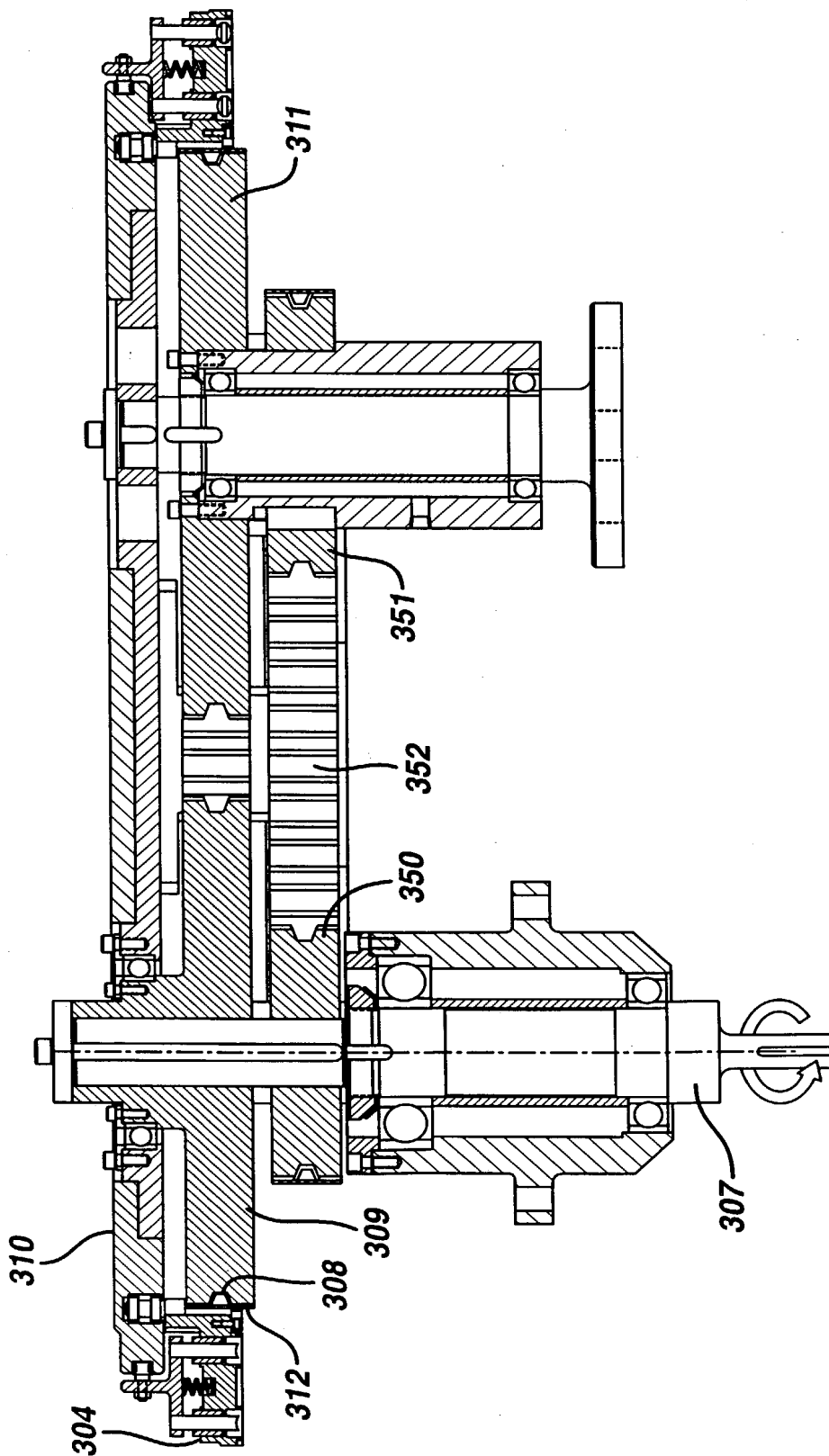


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FIG. 69





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FIG. 72

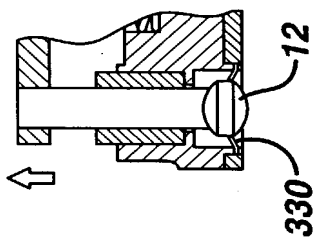


FIG. 73

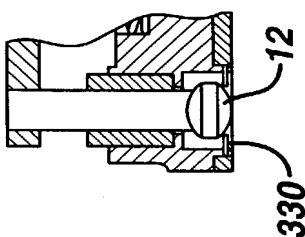


FIG. 74

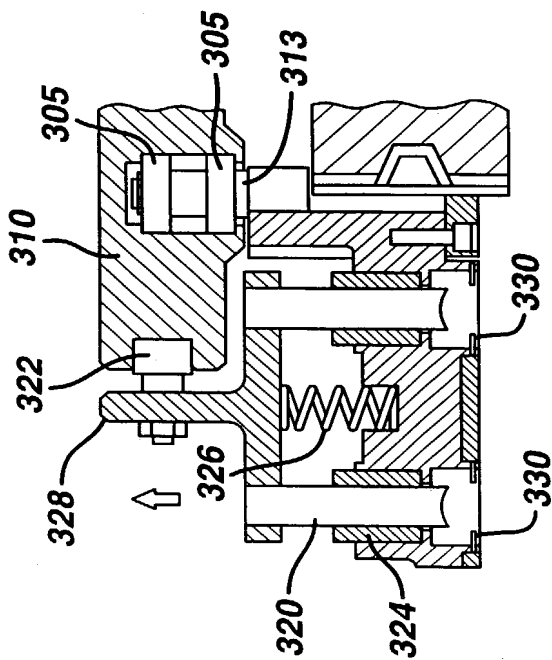
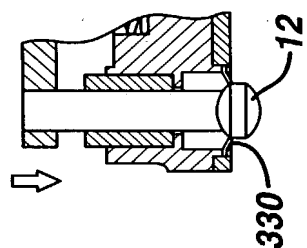


FIG. 70

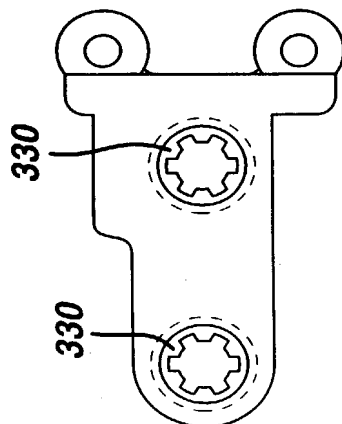


FIG. 71



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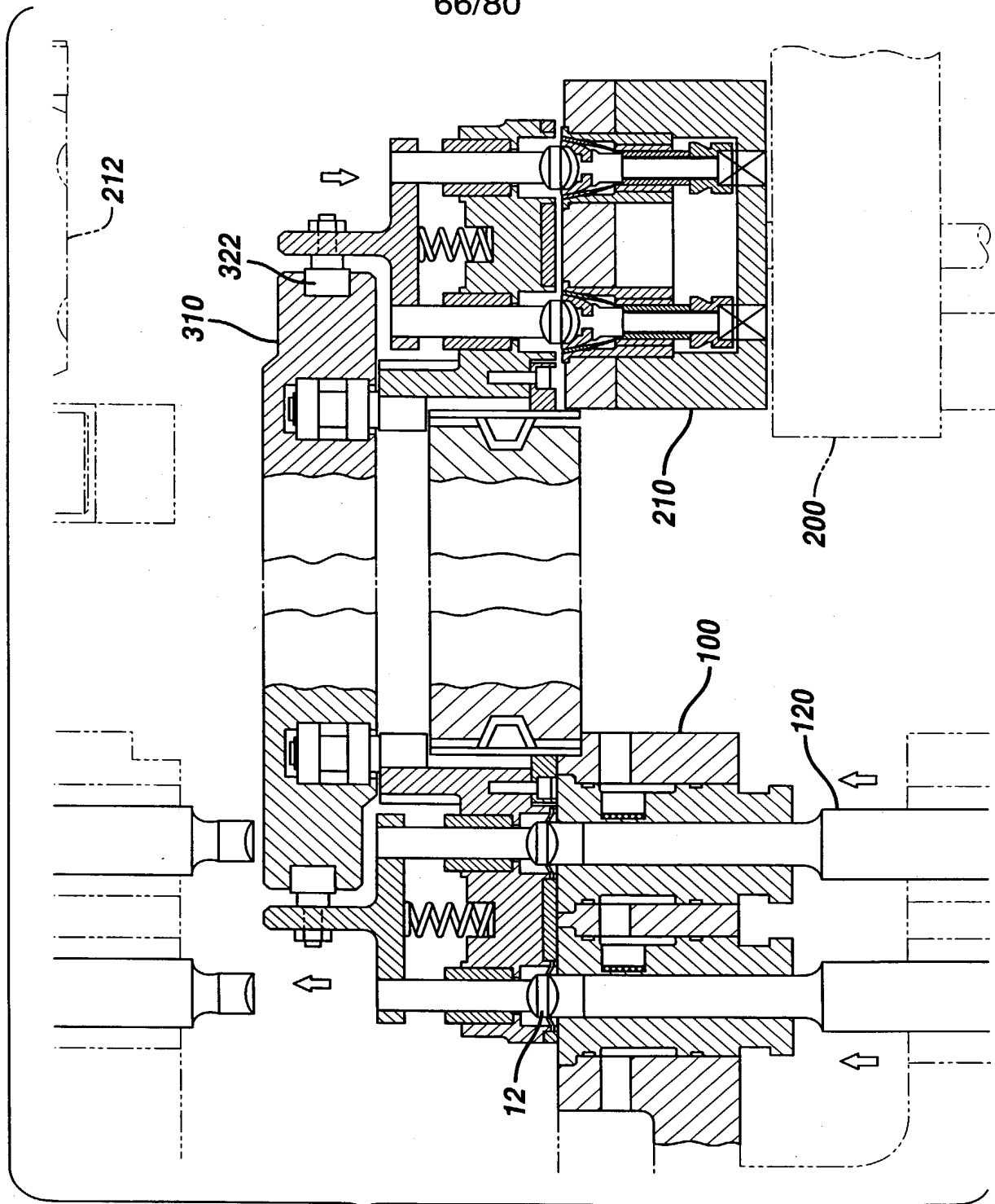


FIG. 75

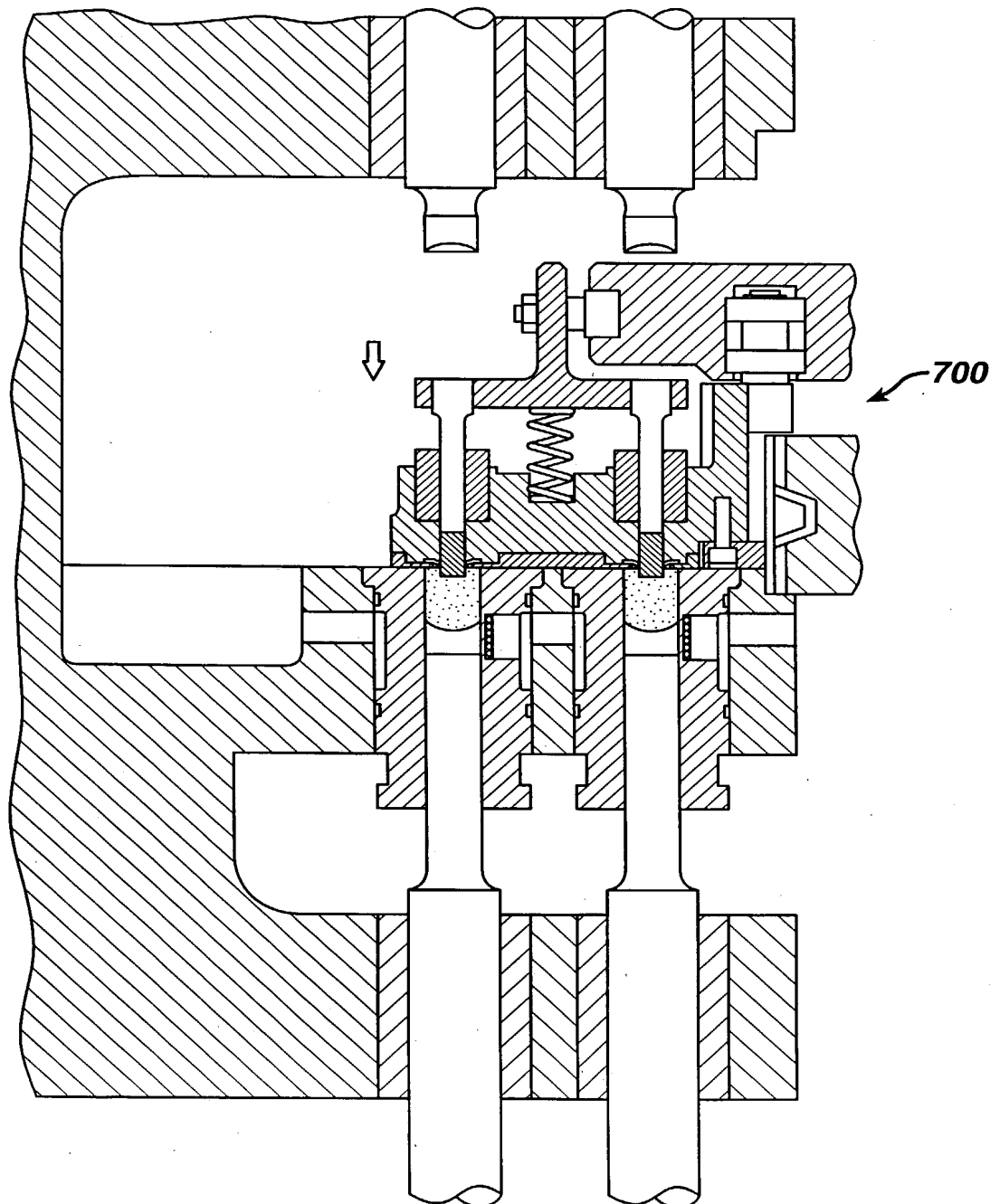


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FIG. 76





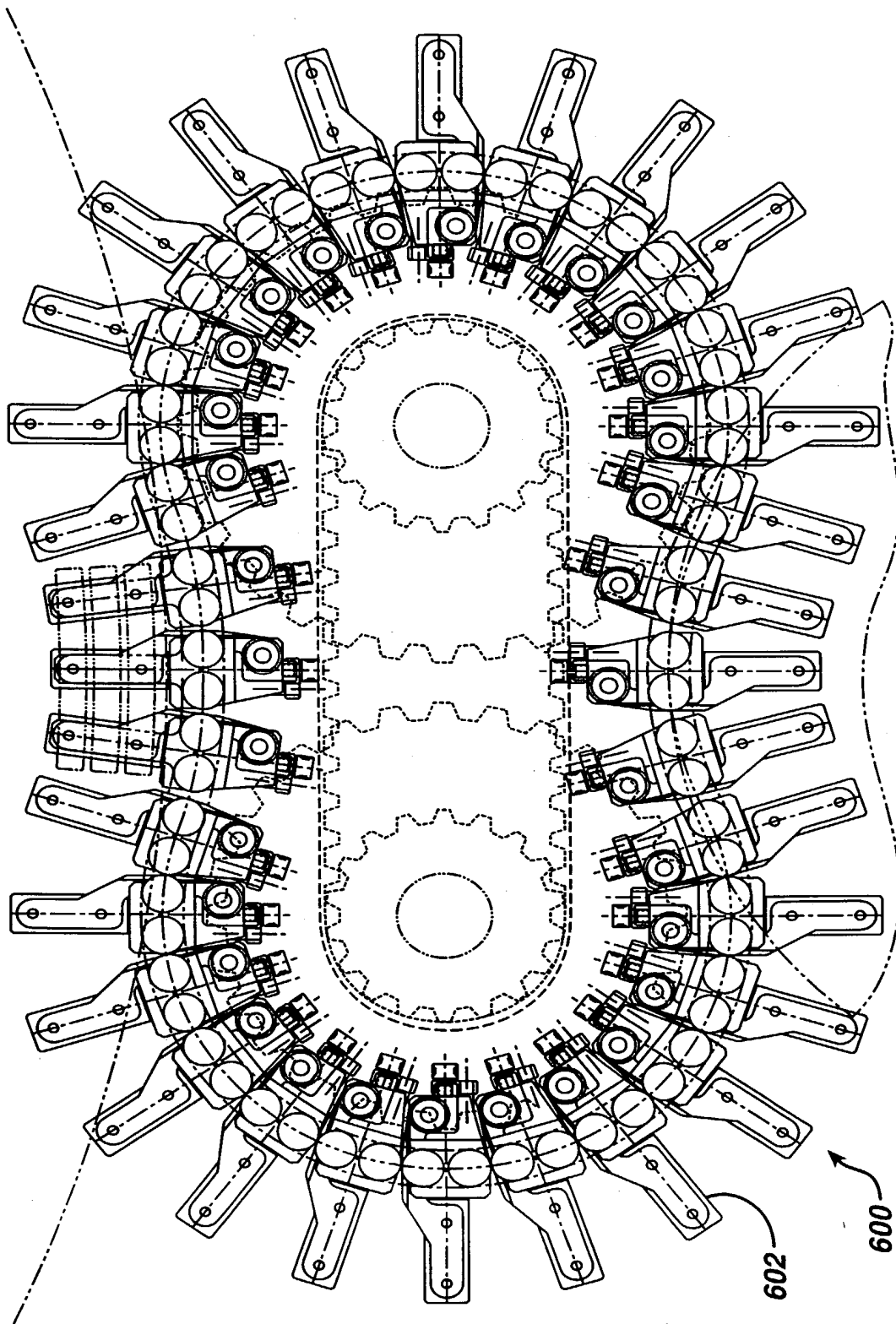
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FIG. 77



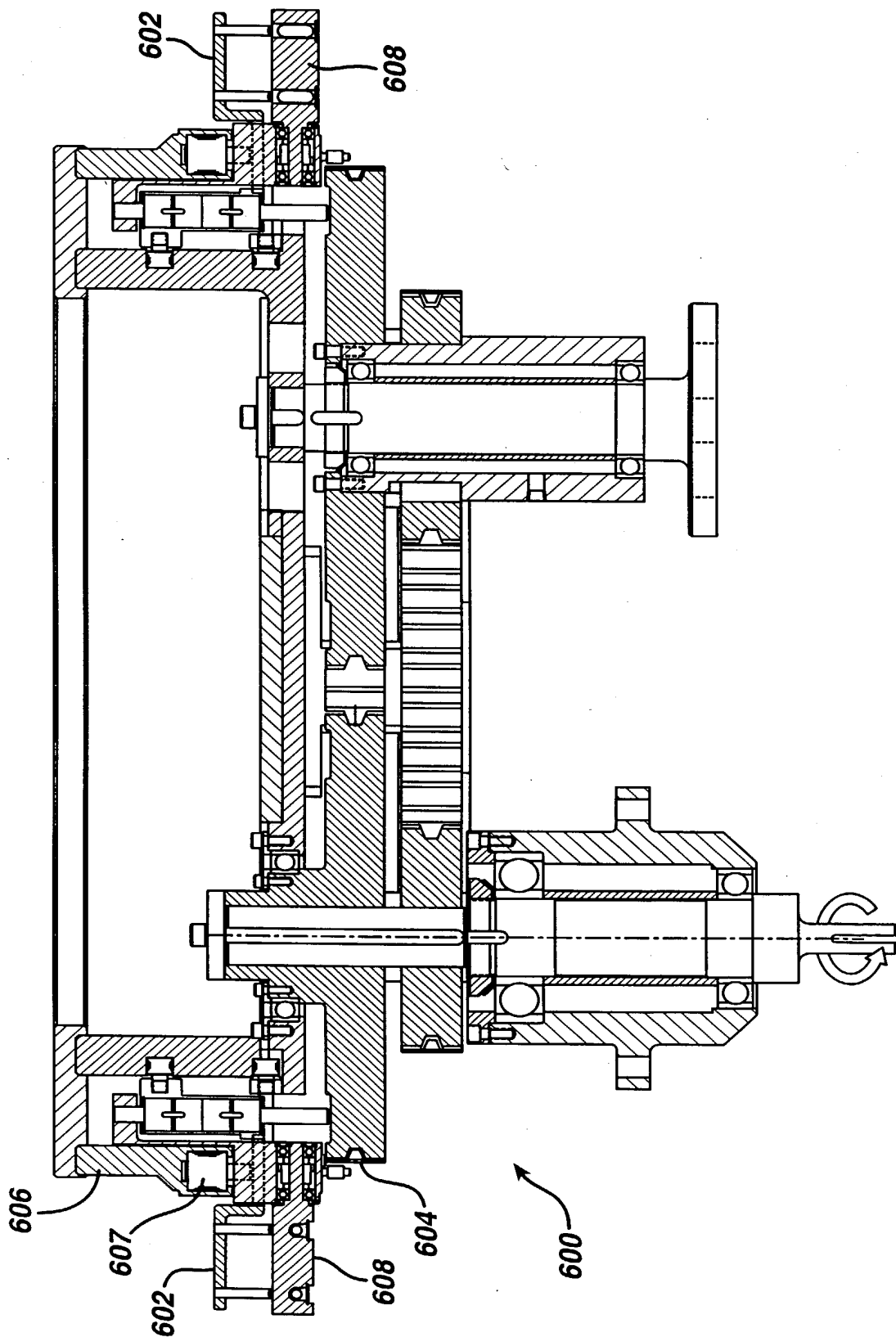


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FIG. 78



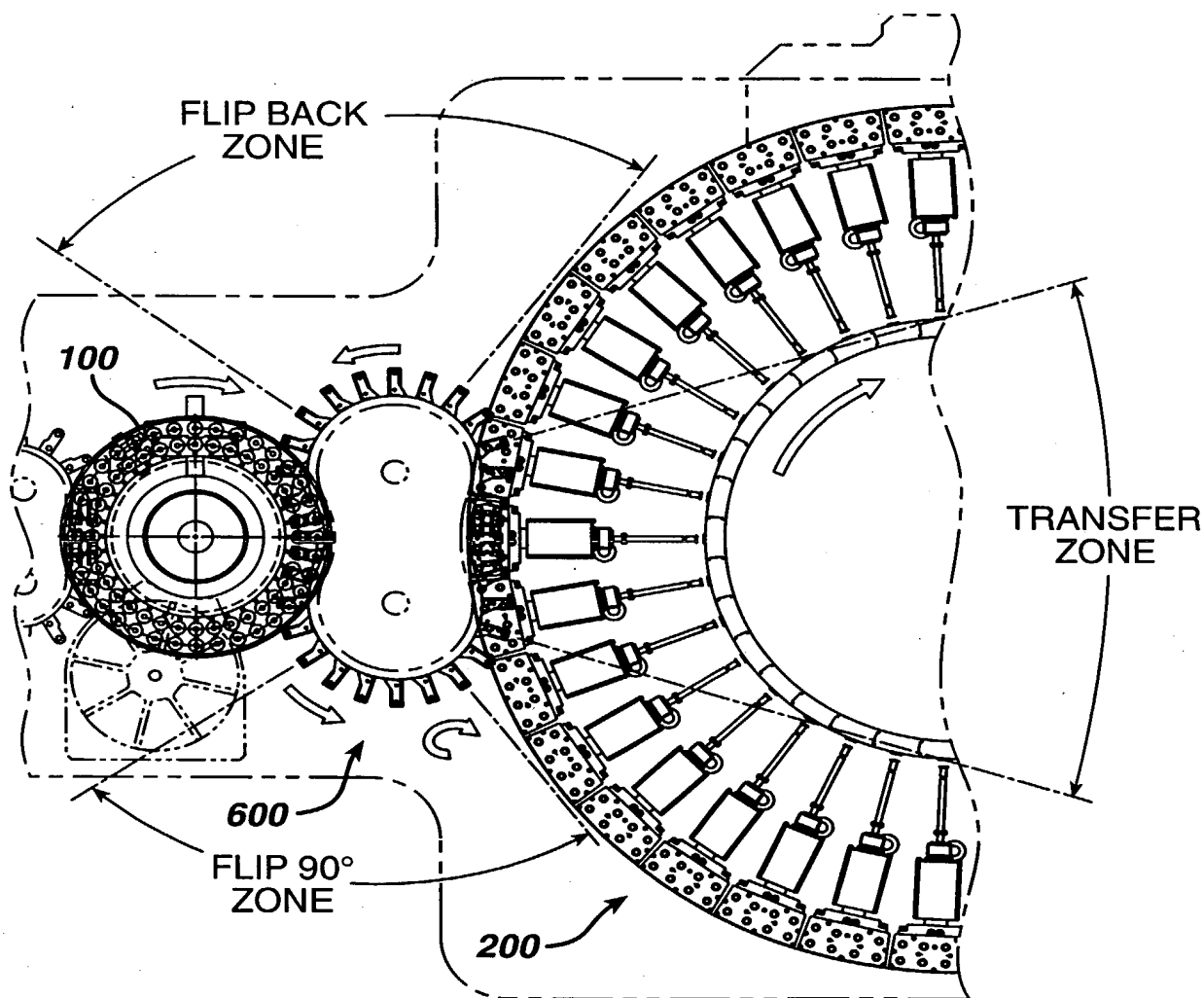


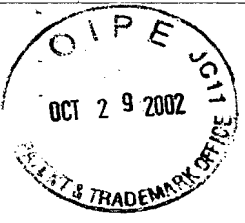
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FIG. 79

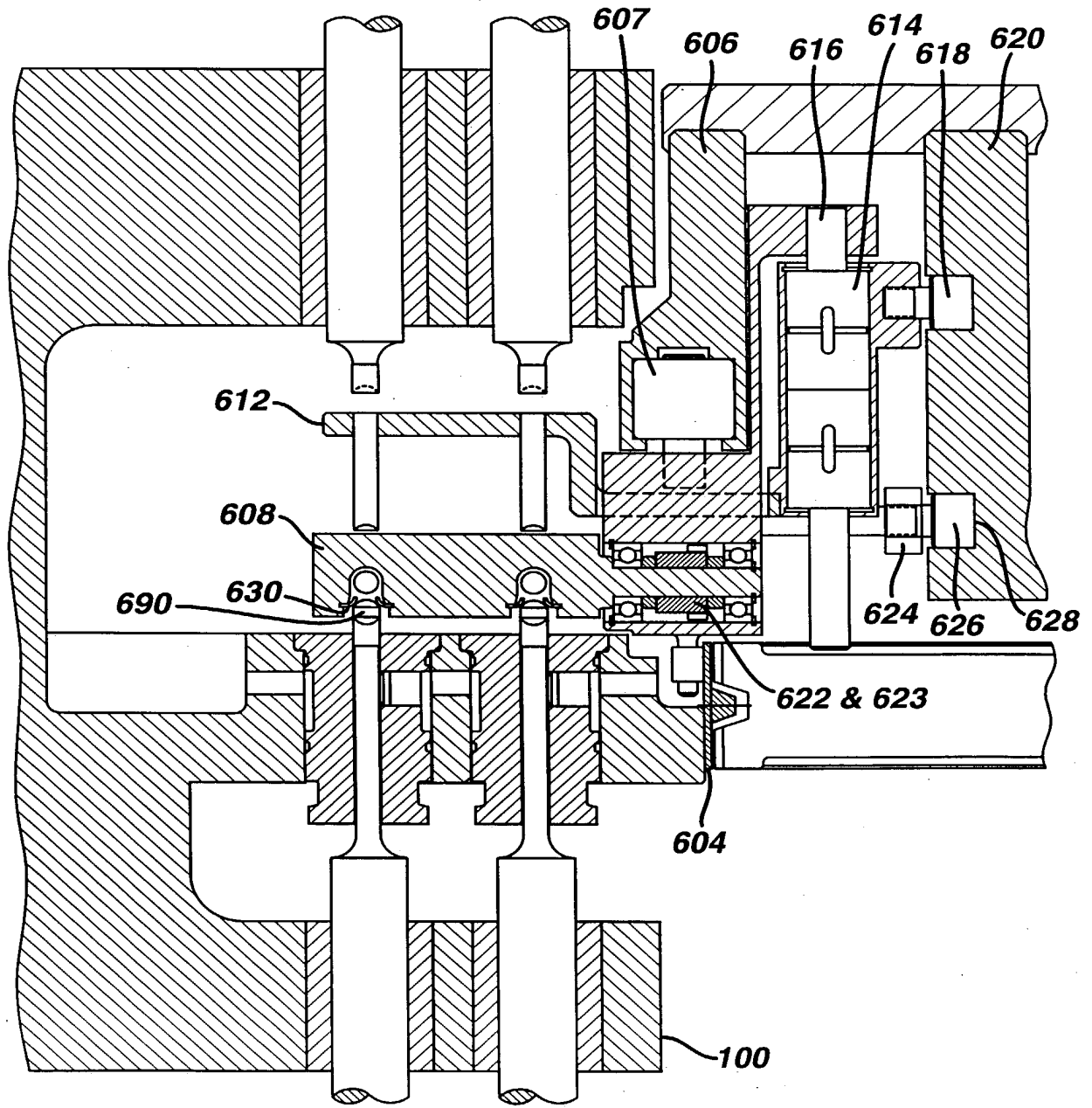




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FIG. 80





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FIG. 81D

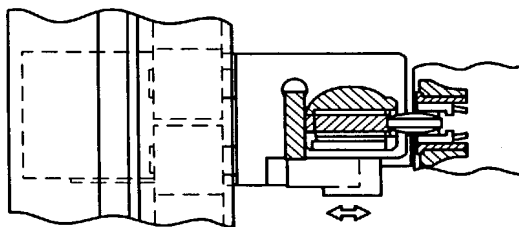


FIG. 81C

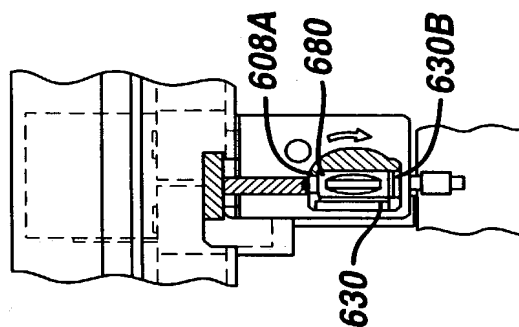


FIG. 81B

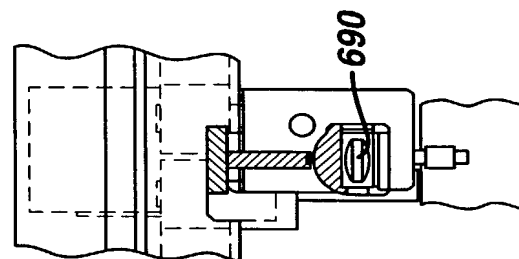
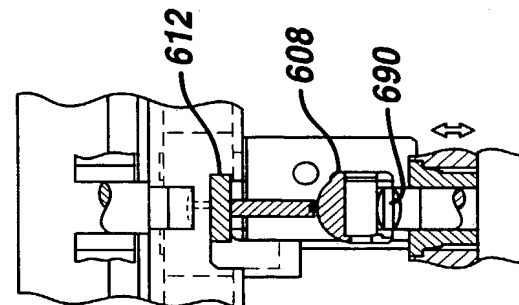


FIG. 81A





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FIG. 81G

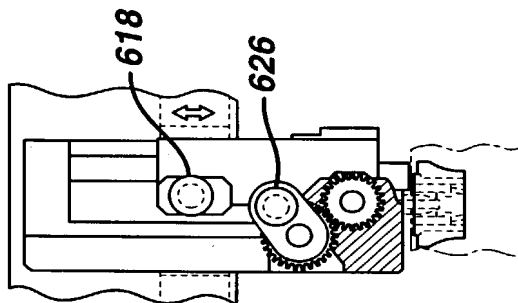


FIG. 81F

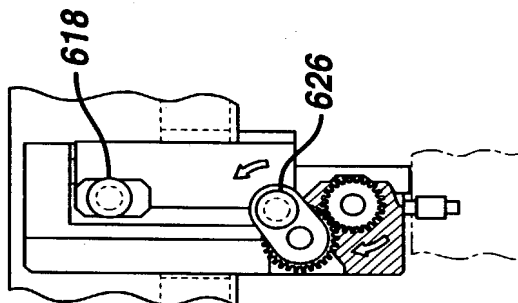
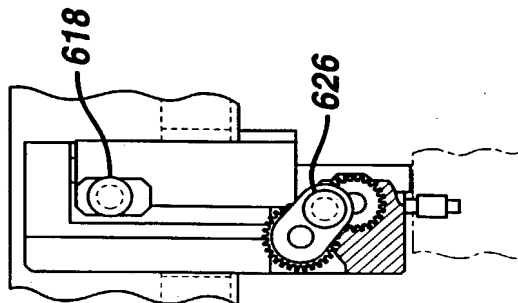


FIG. 81E

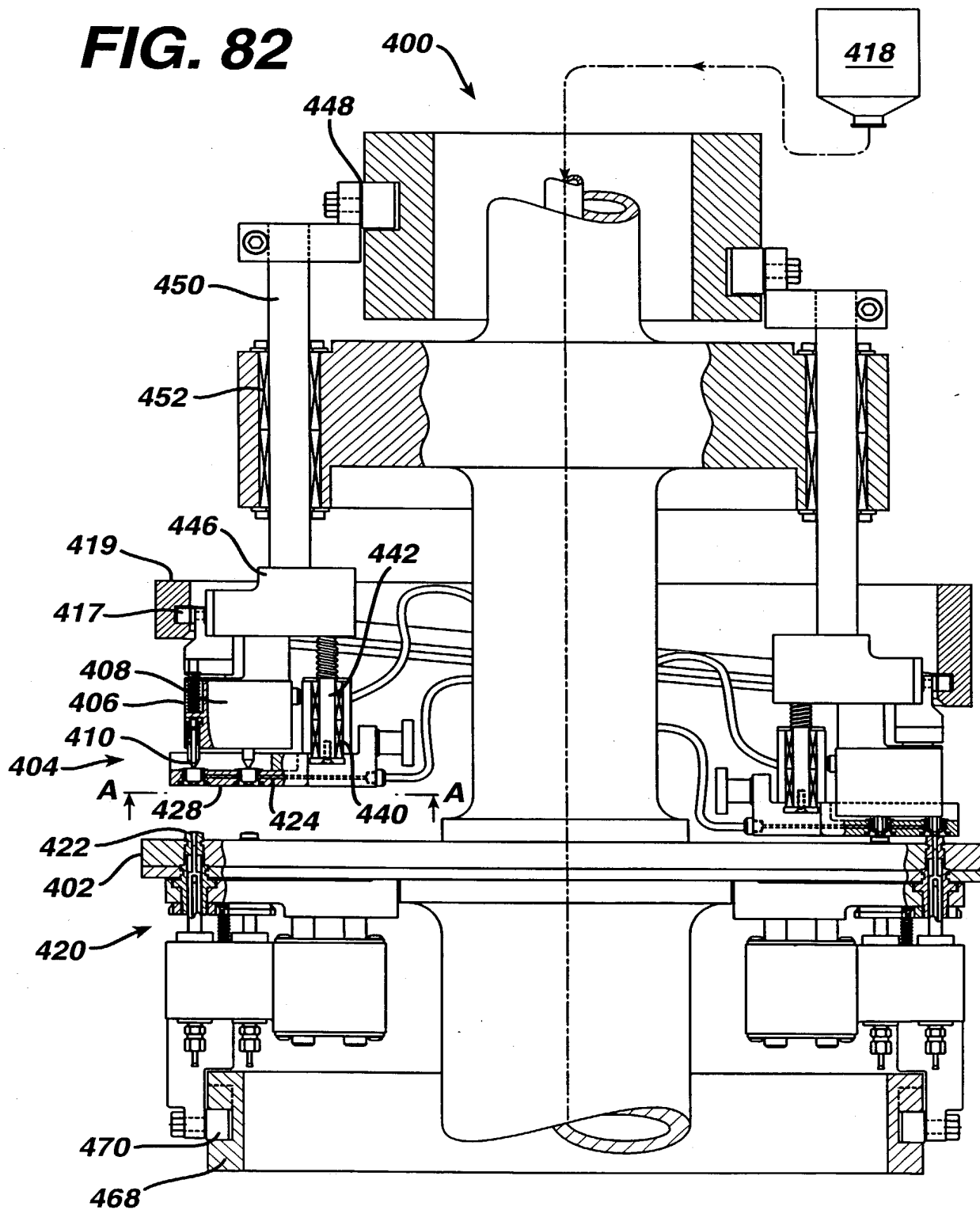




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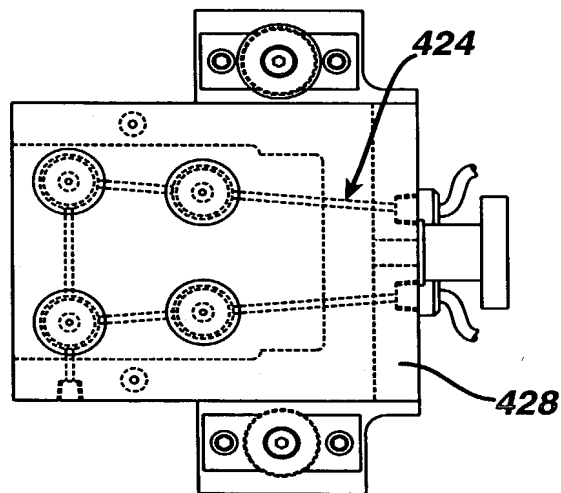
FIG. 82



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FIG. 82A





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FIG. 84

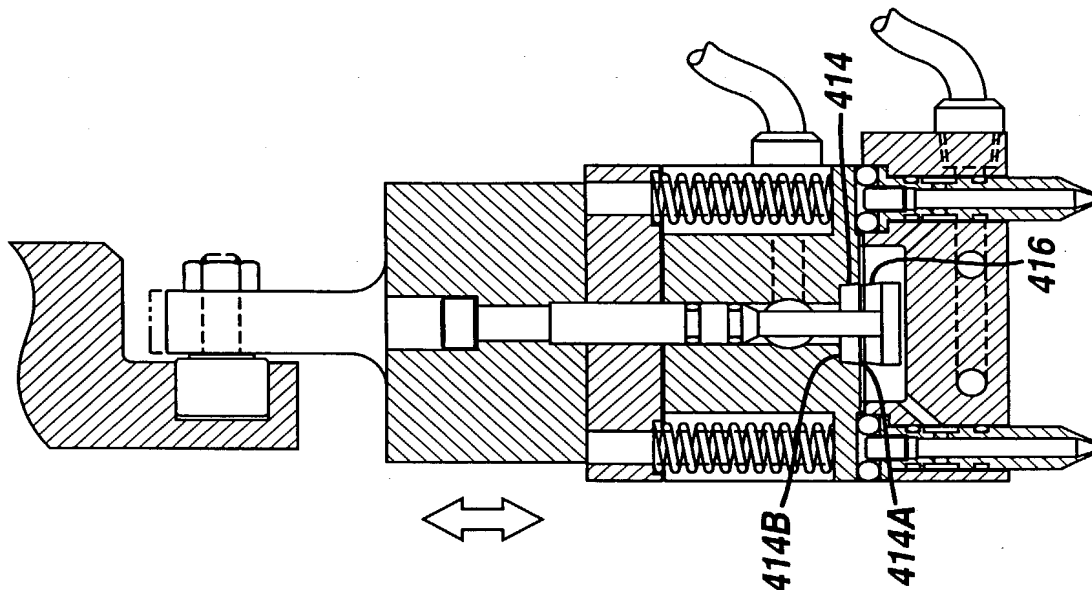
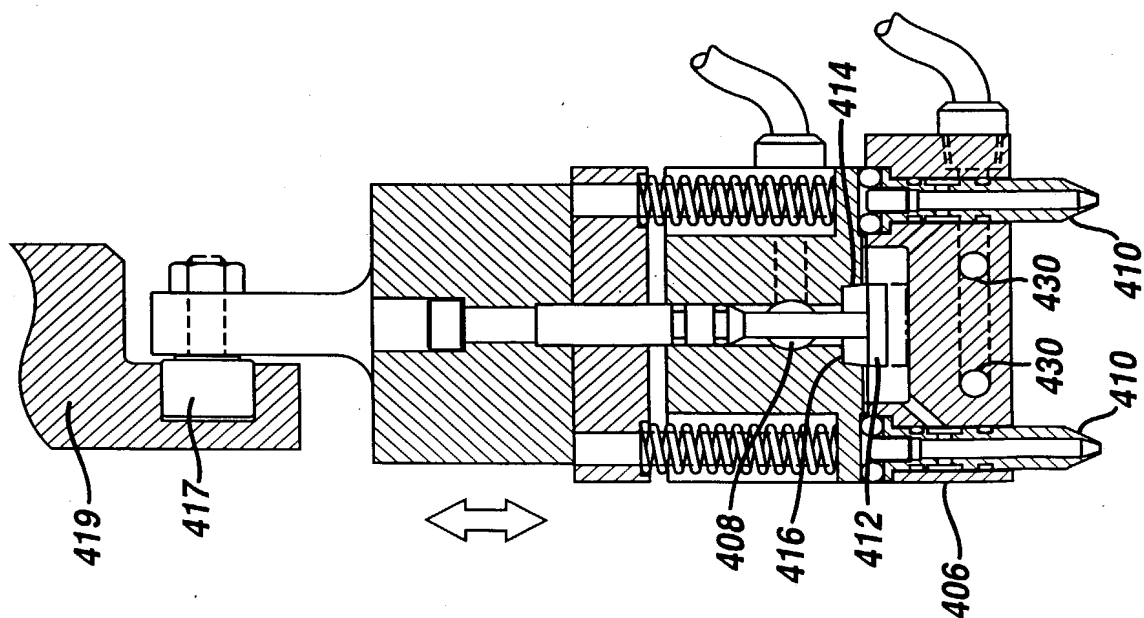


FIG. 83



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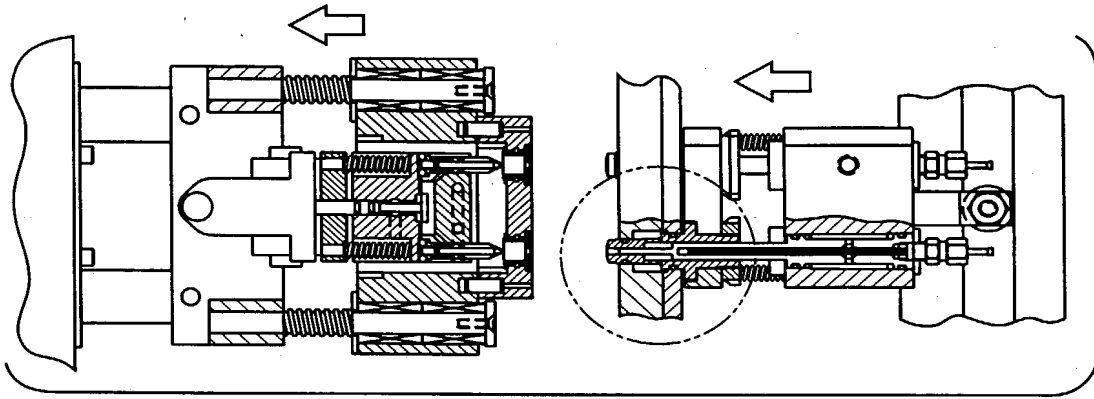


FIG. 85D

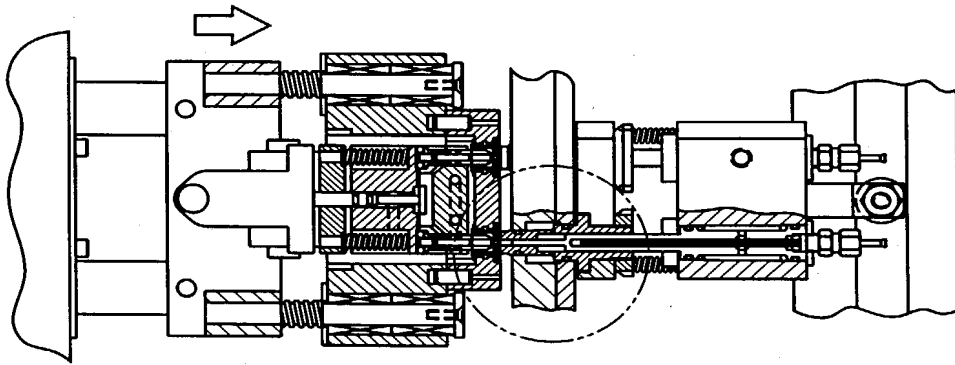


FIG. 85C

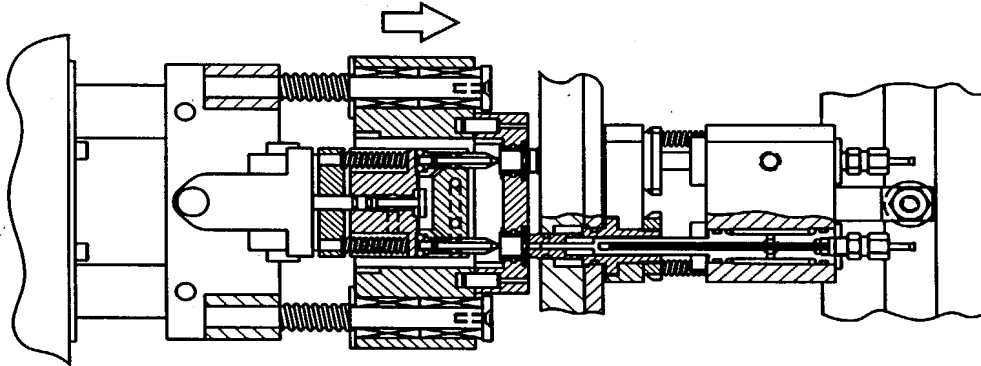


FIG. 85B

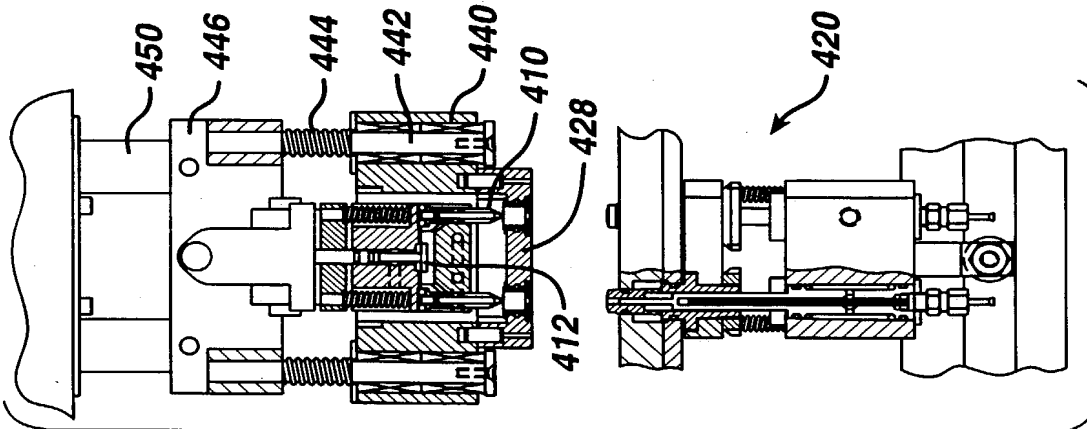


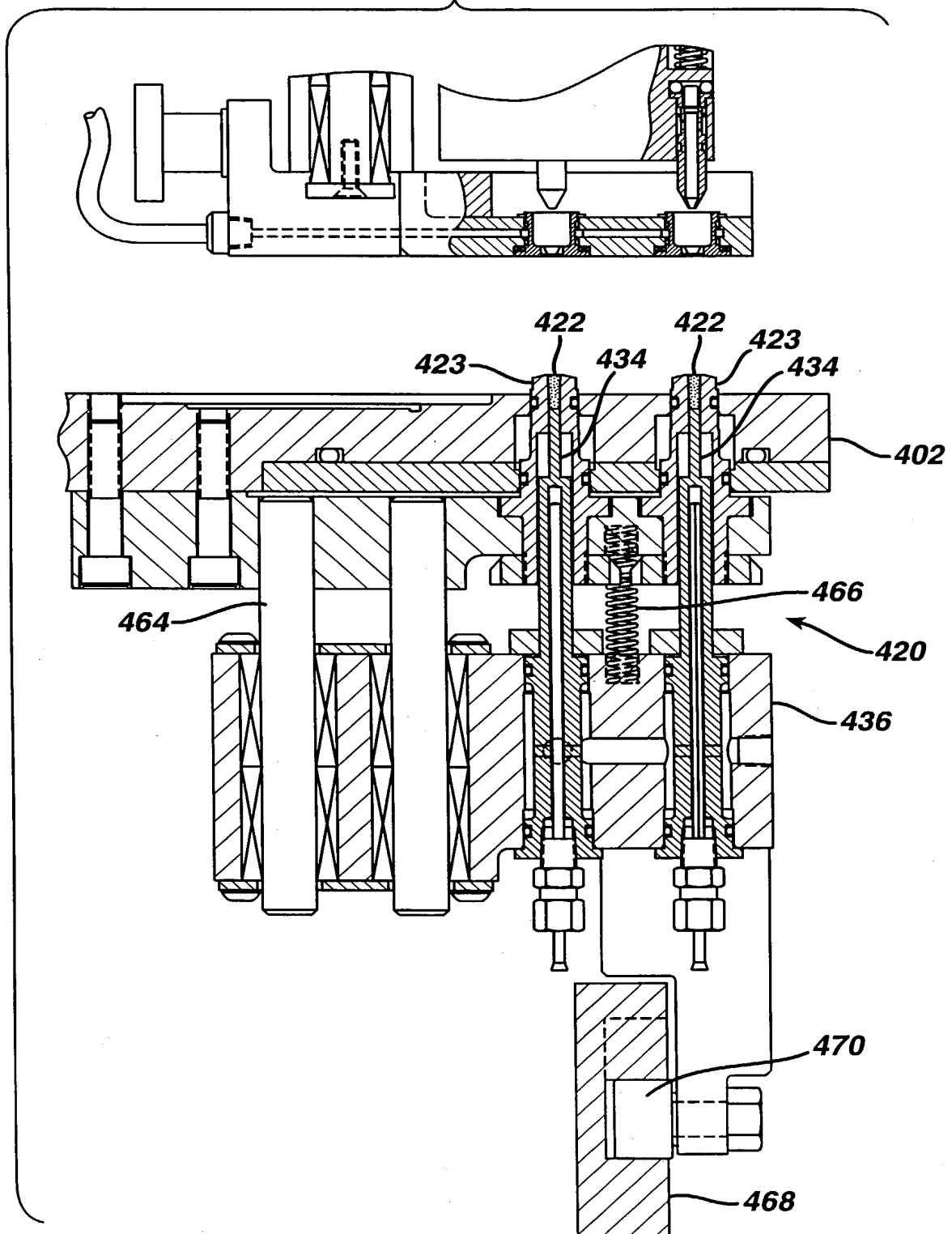
FIG. 85A

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TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
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FIG. 86





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FIG. 88

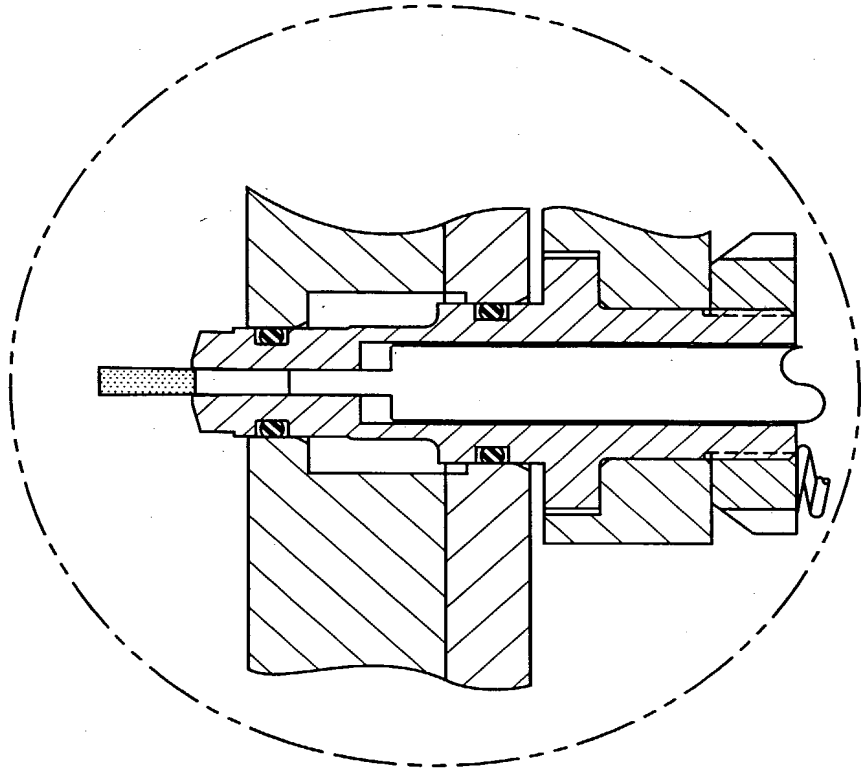
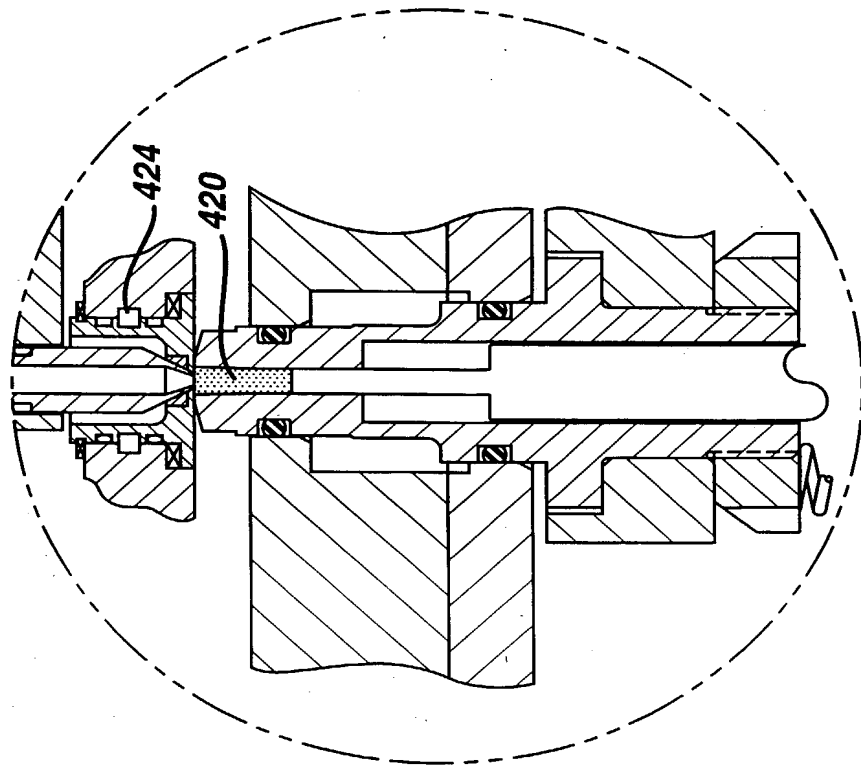
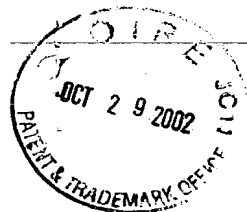


FIG. 87





09/966,497 10/29/02

TITLE: THERMAL CYCLE MOLDING
INVENTOR(S): Sowden, et al.
APP#: 09/966,497
ATTY: S. E. Hayner TEL. #: 732-524-2242
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FIG. 89

